

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

**Simplify each expression.**

1)  $3b - \frac{7}{5}\left(-\frac{11}{6}b + \frac{7}{4}\right)$

2)  $\frac{6}{7} + \frac{11}{6}\left(\frac{1}{2}k - 4\right)$

3)  $\frac{4}{3}\left(-2n + \frac{15}{8}\right) + n$

4)  $\frac{1}{2} - \frac{1}{2}\left(-x + \frac{5}{3}\right)$

5)  $\frac{17}{4} - \frac{1}{2}\left(-\frac{9}{5}n + \frac{4}{3}\right)$

6)  $\frac{1}{2}\left(\frac{2}{5}n + 2\right) - \frac{15}{4}n$

7)  $\frac{15}{4}a + 7\left(a + \frac{25}{7}\right)$

8)  $-\frac{15}{7}m - \frac{7}{2}\left(-\frac{16}{5}m + \frac{27}{8}\right)$

9)  $-\frac{10}{7}\left(\frac{9}{7}x - 1\right) + \frac{5}{3}x$

10)  $\frac{8}{5}\left(x + \frac{5}{6}\right) + \frac{2}{5}$

11)  $8 + \frac{2}{3}\left(a + \frac{8}{3}\right)$

12)  $\frac{1}{3}\left(\frac{4}{3}k - \frac{8}{5}\right) + \frac{3}{7}k$

13)  $\frac{3}{7}\left(m - \frac{13}{6}\right) - \frac{1}{2}m$

14)  $-\frac{18}{7}\left(-\frac{3}{2}v + \frac{5}{4}\right) - \frac{17}{7}$

15)  $\frac{21}{8}n - \frac{9}{7}\left(-\frac{5}{4}n + \frac{13}{8}\right)$

16)  $-\frac{7}{4}\left(-\frac{1}{2}p + 1\right) - \frac{9}{7}$

17)  $-\frac{5}{7}\left(\frac{13}{7}x + \frac{1}{2}\right) + \frac{16}{7}x$

18)  $-\frac{13}{5}x - \frac{18}{7}\left(\frac{19}{6}x + \frac{7}{3}\right)$

19)  $\frac{15}{4}\left(x + \frac{23}{8}\right) - \frac{4}{3}x$

20)  $\frac{9}{2}n + \frac{23}{8}\left(\frac{31}{8}n - \frac{5}{4}\right)$

21)  $\frac{25}{8} - \frac{1}{2}\left(\frac{3}{8}n + 1\right)$

22)  $-\frac{17}{7} + \frac{11}{4}\left(\frac{7}{4}n + 2\right)$

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Simplify each expression.

1)  $3b - \frac{7}{5}\left(-\frac{11}{6}b + \frac{7}{4}\right) - \frac{167}{30}b - \frac{49}{20}$

2)  $\frac{6}{7} + \frac{11}{6}\left(\frac{1}{2}k - 4\right) - \frac{136}{21} + \frac{11}{12}k$

3)  $\frac{4}{3}\left(-2n + \frac{15}{8}\right) + n - \frac{5}{3}n + \frac{5}{2}$

4)  $\frac{1}{2} - \frac{1}{2}\left(-x + \frac{5}{3}\right) - \frac{1}{3} + \frac{1}{2}x$

5)  $\frac{17}{4} - \frac{1}{2}\left(-\frac{9}{5}n + \frac{4}{3}\right) - \frac{43}{12} + \frac{9}{10}n$

6)  $\frac{1}{2}\left(\frac{2}{5}n + 2\right) - \frac{15}{4}n - 1 - \frac{71}{20}n$

7)  $\frac{15}{4}a + 7\left(a + \frac{25}{7}\right) - \frac{43}{4}a + 25$

8)  $-\frac{15}{7}m - \frac{7}{2}\left(-\frac{16}{5}m + \frac{27}{8}\right) - \frac{317}{35}m - \frac{189}{16}$

9)  $-\frac{10}{7}\left(\frac{9}{7}x - 1\right) + \frac{5}{3}x - \frac{10}{7} - \frac{25}{147}x$

10)  $\frac{8}{5}\left(x + \frac{5}{6}\right) + \frac{2}{5} - \frac{8}{5}x + \frac{26}{15}$

11)  $8 + \frac{2}{3}\left(a + \frac{8}{3}\right) - \frac{88}{9} + \frac{2}{3}a$

12)  $\frac{1}{3}\left(\frac{4}{3}k - \frac{8}{5}\right) + \frac{3}{7}k - \frac{55}{63}k - \frac{8}{15}$

13)  $\frac{3}{7}\left(m - \frac{13}{6}\right) - \frac{1}{2}m - \frac{1}{14}m - \frac{13}{14}$

14)  $-\frac{18}{7}\left(-\frac{3}{2}v + \frac{5}{4}\right) - \frac{17}{7} - \frac{27}{7}v - \frac{79}{14}$

15)  $\frac{21}{8}n - \frac{9}{7}\left(-\frac{5}{4}n + \frac{13}{8}\right) - \frac{237}{56}n - \frac{117}{56}$

16)  $-\frac{7}{4}\left(-\frac{1}{2}p + 1\right) - \frac{9}{7} - \frac{85}{28} + \frac{7}{8}p$

17)  $-\frac{5}{7}\left(\frac{13}{7}x + \frac{1}{2}\right) + \frac{16}{7}x - \frac{47}{49}x - \frac{5}{14}$

18)  $-\frac{13}{5}x - \frac{18}{7}\left(\frac{19}{6}x + \frac{7}{3}\right) - \frac{376}{35}x - 6$

19)  $\frac{15}{4}\left(x + \frac{23}{8}\right) - \frac{4}{3}x - \frac{29}{12}x + \frac{345}{32}$

20)  $\frac{9}{2}n + \frac{23}{8}\left(\frac{31}{8}n - \frac{5}{4}\right) - \frac{1001}{64}n - \frac{115}{32}$

21)  $\frac{25}{8} - \frac{1}{2}\left(\frac{3}{8}n + 1\right) - \frac{21}{8} - \frac{3}{16}n$

22)  $-\frac{17}{7} + \frac{11}{4}\left(\frac{7}{4}n + 2\right) - \frac{43}{14} + \frac{77}{16}n$

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**Simplify each expression.**

1)  $-\frac{17}{7}\left(\frac{1}{7}n - \frac{27}{7}\right) - \frac{17}{8}$

2)  $-\left(-\frac{4}{3}a + \frac{23}{6}\right) + \frac{7}{3}$

3)  $\frac{7}{4}n + \frac{13}{7}\left(n - \frac{24}{7}\right)$

4)  $8\left(-2m + \frac{7}{4}\right) - \frac{12}{5}$

5)  $-\frac{7}{2}a - \frac{1}{4}\left(a + \frac{1}{5}\right)$

6)  $-2\left(\frac{13}{3}x + \frac{21}{5}\right) + \frac{13}{6}$

7)  $\frac{11}{3}\left(\frac{1}{7}x + \frac{5}{4}\right) + \frac{71}{8}x$

8)  $\frac{9}{7}\left(-\frac{5}{2}m + \frac{29}{6}\right) - \frac{16}{5}m$

9)  $-\frac{1}{5}\left(m + \frac{11}{5}\right) - \frac{4}{7}m$

10)  $\frac{4}{5}\left(\frac{4}{3}a + 1\right) - \frac{7}{2}$

11)  $\frac{7}{5}\left(-\frac{7}{3}n - \frac{3}{2}\right) - \frac{3}{2}n$

12)  $\frac{12}{7}x - \frac{25}{8}\left(x + \frac{9}{7}\right)$

13)  $\frac{1}{7}\left(\frac{3}{4}n - \frac{3}{2}\right) + \frac{8}{7}$

14)  $-\frac{2}{3}\left(\frac{1}{7}v - 1\right) + v$

15)  $\frac{1}{3} + \frac{9}{5}\left(\frac{21}{5}x - 2\right)$

16)  $\frac{5}{4} - \frac{7}{5}\left(\frac{13}{3}v + \frac{5}{4}\right)$

17)  $-\frac{13}{7}\left(\frac{3}{2}x + 1\right) + \frac{7}{4}$

18)  $\frac{1}{4}v - \frac{13}{5}\left(\frac{2}{5}v + \frac{5}{2}\right)$

19)  $-\frac{7}{6}n - \frac{3}{2}\left(-\frac{1}{7}n + \frac{7}{8}\right)$

20)  $-\frac{20}{7} + \frac{2}{5}\left(\frac{1}{4}n + \frac{5}{4}\right)$

21)  $-\frac{1}{6} - \frac{2}{5}\left(-\frac{19}{7}x + 1\right)$

22)  $\frac{16}{7}x + \frac{19}{8}\left(\frac{4}{5}x - \frac{1}{3}\right)$

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Simplify each expression.

1)  $-\frac{17}{7}\left(\frac{1}{7}n - \frac{27}{7}\right) - \frac{17}{8} - \frac{17}{49}n + \frac{2839}{392}$

2)  $-\left(-\frac{4}{3}a + \frac{23}{6}\right) + \frac{7}{3} - \frac{4}{3}a - \frac{3}{2}$

3)  $\frac{7}{4}n + \frac{13}{7}\left(n - \frac{24}{7}\right) - \frac{101}{28}n - \frac{312}{49}$

4)  $8\left(-2m + \frac{7}{4}\right) - \frac{12}{5} - 16m + \frac{58}{5}$

5)  $-\frac{7}{2}a - \frac{1}{4}\left(a + \frac{1}{5}\right) - \frac{15}{4}a - \frac{1}{20}$

6)  $-2\left(\frac{13}{3}x + \frac{21}{5}\right) + \frac{13}{6} - \frac{26}{3}x - \frac{187}{30}$

7)  $\frac{11}{3}\left(\frac{1}{7}x + \frac{5}{4}\right) + \frac{71}{8}x - \frac{1579}{168}x + \frac{55}{12}$

8)  $\frac{9}{7}\left(-\frac{5}{2}m + \frac{29}{6}\right) - \frac{16}{5}m - \frac{449}{70}m + \frac{87}{14}$

9)  $-\frac{1}{5}\left(m + \frac{11}{5}\right) - \frac{4}{7}m - \frac{27}{35}m - \frac{11}{25}$

10)  $\frac{4}{5}\left(\frac{4}{3}a + 1\right) - \frac{7}{2} - \frac{27}{10} + \frac{16}{15}a$

11)  $\frac{7}{5}\left(-\frac{7}{3}n - \frac{3}{2}\right) - \frac{3}{2}n - \frac{143}{30}n - \frac{21}{10}$

12)  $\frac{12}{7}x - \frac{25}{8}\left(x + \frac{9}{7}\right) - \frac{79}{56}x - \frac{225}{56}$

13)  $\frac{1}{7}\left(\frac{3}{4}n - \frac{3}{2}\right) + \frac{8}{7} - \frac{3}{28}n + \frac{13}{14}$

14)  $-\frac{2}{3}\left(\frac{1}{7}v - 1\right) + v - \frac{19}{21}v + \frac{2}{3}$

15)  $\frac{1}{3} + \frac{9}{5}\left(\frac{21}{5}x - 2\right) - \frac{49}{15} + \frac{189}{25}x$

16)  $\frac{5}{4} - \frac{7}{5}\left(\frac{13}{3}v + \frac{5}{4}\right) - \frac{1}{2} - \frac{91}{15}v$

17)  $-\frac{13}{7}\left(\frac{3}{2}x + 1\right) + \frac{7}{4} - \frac{3}{28} - \frac{39}{14}x$

18)  $\frac{1}{4}v - \frac{13}{5}\left(\frac{2}{5}v + \frac{5}{2}\right) - \frac{79}{100}v - \frac{13}{2}$

19)  $-\frac{7}{6}n - \frac{3}{2}\left(-\frac{1}{7}n + \frac{7}{8}\right) - \frac{20}{21}n - \frac{21}{16}$

20)  $-\frac{20}{7} + \frac{2}{5}\left(\frac{1}{4}n + \frac{5}{4}\right) - \frac{33}{14} + \frac{1}{10}n$

21)  $-\frac{1}{6} - \frac{2}{5}\left(-\frac{19}{7}x + 1\right) - \frac{17}{30} + \frac{38}{35}x$

22)  $\frac{16}{7}x + \frac{19}{8}\left(\frac{4}{5}x - \frac{1}{3}\right) - \frac{293}{70}x - \frac{19}{24}$

## Assignment

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**Simplify each expression.**

1)  $-\frac{4}{5}\left(\frac{11}{8}p + \frac{9}{5}\right) + \frac{2}{3}p$

2)  $-\frac{17}{6}\left(-6x - \frac{8}{5}\right) + \frac{15}{7}x$

3)  $-\frac{1}{5}\left(\frac{4}{3}a - \frac{13}{4}\right) - \frac{22}{7}$

4)  $\frac{1}{8}a + \frac{9}{4}\left(\frac{19}{4}a + \frac{4}{3}\right)$

5)  $\frac{1}{5}n - \frac{5}{4}\left(n + \frac{5}{7}\right)$

6)  $\frac{17}{4}\left(\frac{2}{3}x - 6\right) + 2$

7)  $5 - \frac{1}{3}\left(\frac{2}{7}x - \frac{1}{2}\right)$

8)  $-2n - \frac{3}{4}\left(\frac{6}{5}n + \frac{16}{5}\right)$

9)  $-n + \frac{39}{8}\left(n + \frac{14}{5}\right)$

10)  $-\frac{7}{2}\left(-\frac{1}{7}b + 8\right) - \frac{22}{7}$

11)  $-\frac{23}{7} + \frac{8}{7}\left(\frac{5}{3}p - \frac{15}{8}\right)$

12)  $\frac{4}{3}p + \frac{5}{2}\left(p + \frac{3}{2}\right)$

13)  $\frac{4}{5} + \frac{9}{5}\left(\frac{15}{4}m + \frac{9}{2}\right)$

14)  $-\frac{17}{6} + \frac{5}{3}\left(b + \frac{1}{4}\right)$

15)  $-\frac{6}{5} + \frac{8}{5}\left(-\frac{5}{4}x - \frac{7}{2}\right)$

16)  $\frac{5}{4} + \frac{5}{2}\left(\frac{3}{2}x + \frac{6}{7}\right)$

17)  $\frac{13}{4} + \frac{1}{7}\left(\frac{2}{7}n + 1\right)$

18)  $\frac{13}{8} + \frac{1}{2}\left(-\frac{13}{8}k + 1\right)$

19)  $\frac{3}{4}\left(\frac{1}{3}x + \frac{9}{2}\right) - \frac{2}{3}x$

20)  $\frac{7}{4} - \left(2x + \frac{9}{4}\right)$

21)  $-\frac{1}{4}\left(-2x + \frac{1}{3}\right) - \frac{9}{4}$

22)  $\frac{19}{7}\left(x - \frac{11}{6}\right) + \frac{3}{4}$

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Simplify each expression.

1)  $-\frac{4}{5}\left(\frac{11}{8}p + \frac{9}{5}\right) + \frac{2}{3}p - \frac{13}{30}p - \frac{36}{25}$

2)  $-\frac{17}{6}\left(-6x - \frac{8}{5}\right) + \frac{15}{7}x - \frac{134}{7}x + \frac{68}{15}$

3)  $-\frac{1}{5}\left(\frac{4}{3}a - \frac{13}{4}\right) - \frac{22}{7} - \frac{4}{15}a - \frac{349}{140}$

4)  $\frac{1}{8}a + \frac{9}{4}\left(\frac{19}{4}a + \frac{4}{3}\right) - \frac{173}{16}a + 3$

5)  $\frac{1}{5}n - \frac{5}{4}\left(n + \frac{5}{7}\right) - \frac{21}{20}n - \frac{25}{28}$

6)  $\frac{17}{4}\left(\frac{2}{3}x - 6\right) + 2 - \frac{47}{2} + \frac{17}{6}x$

7)  $5 - \frac{1}{3}\left(\frac{2}{7}x - \frac{1}{2}\right) - \frac{31}{6} - \frac{2}{21}x$

8)  $-2n - \frac{3}{4}\left(\frac{6}{5}n + \frac{16}{5}\right) - \frac{29}{10}n - \frac{12}{5}$

9)  $-n + \frac{39}{8}\left(n + \frac{14}{5}\right) - \frac{31}{8}n + \frac{273}{20}$

10)  $-\frac{7}{2}\left(-\frac{1}{7}b + 8\right) - \frac{22}{7} - \frac{218}{7} + \frac{1}{2}b$

11)  $-\frac{23}{7} + \frac{8}{7}\left(\frac{5}{3}p - \frac{15}{8}\right) - \frac{38}{7} + \frac{40}{21}p$

12)  $\frac{4}{3}p + \frac{5}{2}\left(p + \frac{3}{2}\right) - \frac{23}{6}p + \frac{15}{4}$

13)  $\frac{4}{5} + \frac{9}{5}\left(\frac{15}{4}m + \frac{9}{2}\right) - \frac{89}{10} + \frac{27}{4}m$

14)  $-\frac{17}{6} + \frac{5}{3}\left(b + \frac{1}{4}\right) - \frac{29}{12} + \frac{5}{3}b$

15)  $-\frac{6}{5} + \frac{8}{5}\left(-\frac{5}{4}x - \frac{7}{2}\right) - \frac{34}{5} - 2x$

16)  $\frac{5}{4} + \frac{5}{2}\left(\frac{3}{2}x + \frac{6}{7}\right) - \frac{95}{28} + \frac{15}{4}x$

17)  $\frac{13}{4} + \frac{1}{7}\left(\frac{2}{7}n + 1\right) - \frac{95}{28} + \frac{2}{49}n$

18)  $\frac{13}{8} + \frac{1}{2}\left(-\frac{13}{8}k + 1\right) - \frac{17}{8} - \frac{13}{16}k$

19)  $\frac{3}{4}\left(\frac{1}{3}x + \frac{9}{2}\right) - \frac{2}{3}x - \frac{5}{12}x + \frac{27}{8}$

20)  $\frac{7}{4} - \left(2x + \frac{9}{4}\right) - \frac{1}{2} - 2x$

21)  $-\frac{1}{4}\left(-2x + \frac{1}{3}\right) - \frac{9}{4} - \frac{1}{2}x - \frac{7}{3}$

22)  $\frac{19}{7}\left(x - \frac{11}{6}\right) + \frac{3}{4} - \frac{19}{7}x - \frac{355}{84}$

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**Simplify each expression.**

1)  $-2 + \frac{13}{8}\left(-\frac{3}{2}n + \frac{8}{3}\right)$

2)  $\frac{4}{5} + \frac{1}{2}\left(\frac{2}{3}n + \frac{3}{8}\right)$

3)  $-8\left(\frac{6}{7}x + 2\right) - \frac{17}{6}x$

4)  $-\frac{19}{6}\left(\frac{5}{3}n - \frac{5}{3}\right) + \frac{7}{5}$

5)  $-\frac{8}{7}\left(\frac{6}{7}n - \frac{13}{6}\right) - \frac{19}{6}n$

6)  $\frac{17}{4} + \frac{27}{8}\left(r + \frac{1}{2}\right)$

7)  $-\frac{19}{6}x + \frac{11}{6}\left(\frac{12}{7}x + 2\right)$

8)  $\frac{8}{5}\left(b + \frac{8}{5}\right) + 2b$

9)  $\frac{27}{8}b + \frac{18}{7}\left(\frac{19}{8}b + \frac{1}{2}\right)$

10)  $\frac{1}{3}x - \frac{9}{7}\left(\frac{3}{4}x - \frac{8}{7}\right)$

11)  $\frac{4}{7}\left(-\frac{10}{3}b + 1\right) - \frac{11}{4}$

12)  $2\left(\frac{7}{2}x - \frac{3}{5}\right) + 2x$

13)  $-\frac{15}{7} + \frac{8}{3}\left(-\frac{3}{5}p + 1\right)$

14)  $\frac{2}{3}\left(-\frac{5}{2}n + 2\right) + 1$

15)  $\frac{23}{6}\left(\frac{3}{4}n + 1\right) + 4n$

16)  $\frac{1}{2}\left(v - \frac{2}{5}\right) - \frac{8}{5}$

17)  $\frac{15}{8}\left(-\frac{11}{6}p + 1\right) + \frac{3}{4}p$

18)  $-\frac{1}{2}\left(\frac{10}{7}x - \frac{17}{6}\right) - \frac{3}{2}x$

19)  $-2r - \frac{5}{6}\left(r - \frac{4}{5}\right)$

20)  $\frac{19}{5}n - \frac{5}{3}\left(-\frac{17}{6}n + 1\right)$

21)  $\frac{1}{2} + \frac{12}{7}\left(\frac{11}{7}r + \frac{13}{8}\right)$

22)  $-2\left(\frac{18}{5}p + 1\right) + \frac{1}{4}$

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**Simplify each expression.**

1)  $-2 + \frac{13}{8}\left(-\frac{3}{2}n + \frac{8}{3}\right) \frac{7}{3} - \frac{39}{16}n$

2)  $\frac{4}{5} + \frac{1}{2}\left(\frac{2}{3}n + \frac{3}{8}\right) \frac{79}{80} + \frac{1}{3}n$

3)  $-8\left(\frac{6}{7}x + 2\right) - \frac{17}{6}x -16 - \frac{407}{42}x$

4)  $-\frac{19}{6}\left(\frac{5}{3}n - \frac{5}{3}\right) + \frac{7}{5} - \frac{95}{18}n + \frac{601}{90}$

5)  $-\frac{8}{7}\left(\frac{6}{7}n - \frac{13}{6}\right) - \frac{19}{6}n - \frac{1219}{294}n + \frac{52}{21}$

6)  $\frac{17}{4} + \frac{27}{8}\left(r + \frac{1}{2}\right) \frac{95}{16} + \frac{27}{8}r$

7)  $-\frac{19}{6}x + \frac{11}{6}\left(\frac{12}{7}x + 2\right) - \frac{1}{42}x + \frac{11}{3}$

8)  $\frac{8}{5}\left(b + \frac{8}{5}\right) + 2b \frac{18}{5}b + \frac{64}{25}$

9)  $\frac{27}{8}b + \frac{18}{7}\left(\frac{19}{8}b + \frac{1}{2}\right) \frac{531}{56}b + \frac{9}{7}$

10)  $\frac{1}{3}x - \frac{9}{7}\left(\frac{3}{4}x - \frac{8}{7}\right) - \frac{53}{84}x + \frac{72}{49}$

11)  $\frac{4}{7}\left(-\frac{10}{3}b + 1\right) - \frac{11}{4} - \frac{61}{28} - \frac{40}{21}b$

12)  $2\left(\frac{7}{2}x - \frac{3}{5}\right) + 2x -9x - \frac{6}{5}$

13)  $-\frac{15}{7} + \frac{8}{3}\left(-\frac{3}{5}p + 1\right) \frac{11}{21} - \frac{8}{5}p$

14)  $\frac{2}{3}\left(-\frac{5}{2}n + 2\right) + 1 \frac{7}{3} - \frac{5}{3}n$

15)  $\frac{23}{6}\left(\frac{3}{4}n + 1\right) + 4n \frac{55}{8}n + \frac{23}{6}$

16)  $\frac{1}{2}\left(v - \frac{2}{5}\right) - \frac{8}{5} \frac{1}{2}v - \frac{9}{5}$

17)  $\frac{15}{8}\left(-\frac{11}{6}p + 1\right) + \frac{3}{4}p \frac{15}{8} - \frac{43}{16}p$

18)  $-\frac{1}{2}\left(\frac{10}{7}x - \frac{17}{6}\right) - \frac{3}{2}x - \frac{31}{14}x + \frac{17}{12}$

19)  $-2r - \frac{5}{6}\left(r - \frac{4}{5}\right) - \frac{17}{6}r + \frac{2}{3}$

20)  $\frac{19}{5}n - \frac{5}{3}\left(-\frac{17}{6}n + 1\right) \frac{767}{90}n - \frac{5}{3}$

21)  $\frac{1}{2} + \frac{12}{7}\left(\frac{11}{7}r + \frac{13}{8}\right) \frac{23}{7} + \frac{132}{49}r$

22)  $-2\left(\frac{18}{5}p + 1\right) + \frac{1}{4} - \frac{7}{4} - \frac{36}{5}p$



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**Simplify each expression.**

1)  $-\frac{6}{5} - \frac{6}{5}\left(n + \frac{1}{5}\right)$

2)  $2 + \frac{29}{8}\left(\frac{3}{2}v - \frac{7}{2}\right)$

3)  $-\frac{1}{2}\left(-\frac{11}{3}v + 1\right) - \frac{7}{4}v$

4)  $\frac{4}{3} - \frac{1}{8}\left(-\frac{13}{4}v + 8\right)$

5)  $-\frac{11}{7} - \frac{23}{6}\left(x - \frac{3}{2}\right)$

6)  $-\frac{16}{5}\left(\frac{1}{2}b + \frac{19}{4}\right) - \frac{3}{4}b$

7)  $-\frac{9}{5}\left(-\frac{24}{7}n + \frac{16}{5}\right) + \frac{1}{2}n$

8)  $-\frac{7}{4}\left(\frac{13}{3}r + \frac{11}{7}\right) - \frac{7}{5}$

9)  $-1 + \frac{7}{4}\left(n - \frac{9}{5}\right)$

10)  $-\frac{1}{7}x - \frac{23}{6}\left(\frac{3}{8}x + \frac{19}{7}\right)$

11)  $-\frac{2}{7} + \frac{17}{8}\left(3v - \frac{11}{7}\right)$

12)  $-\frac{2}{5} + 6\left(2p + \frac{2}{5}\right)$

13)  $-\frac{9}{5}\left(-4n - \frac{11}{3}\right) + \frac{12}{7}$

14)  $-2\left(4v + \frac{23}{7}\right) - 7v$

15)  $-\frac{13}{7}m + \frac{13}{7}\left(m - \frac{2}{3}\right)$

16)  $-3\left(n + \frac{4}{3}\right) + \frac{15}{7}n$

17)  $\frac{3}{2}x - \frac{1}{8}\left(-\frac{12}{5}x - 1\right)$

18)  $\frac{13}{8}\left(-\frac{1}{3}p + \frac{1}{4}\right) + \frac{5}{2}p$

19)  $\frac{9}{2}\left(\frac{3}{4}x + \frac{5}{4}\right) + 2$

20)  $\frac{5}{3} + \frac{13}{8}\left(k - \frac{3}{2}\right)$

21)  $1 + 2\left(-\frac{13}{8}b - 7\right)$

22)  $\frac{5}{3} + \frac{17}{8}\left(-\frac{11}{7}n + \frac{5}{8}\right)$

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

Simplify each expression.

1)  $-\frac{6}{5} - \frac{6}{5}\left(n + \frac{1}{5}\right) - \frac{36}{25} - \frac{6}{5}n$

2)  $2 + \frac{29}{8}\left(\frac{3}{2}v - \frac{7}{2}\right) - \frac{171}{16} + \frac{87}{16}v$

3)  $-\frac{1}{2}\left(-\frac{11}{3}v + 1\right) - \frac{7}{4}v - \frac{1}{2} + \frac{1}{12}v$

4)  $\frac{4}{3} - \frac{1}{8}\left(-\frac{13}{4}v + 8\right) \frac{1}{3} + \frac{13}{32}v$

5)  $-\frac{11}{7} - \frac{23}{6}\left(x - \frac{3}{2}\right) \frac{117}{28} - \frac{23}{6}x$

6)  $-\frac{16}{5}\left(\frac{1}{2}b + \frac{19}{4}\right) - \frac{3}{4}b - \frac{47}{20}b - \frac{76}{5}$

7)  $-\frac{9}{5}\left(-\frac{24}{7}n + \frac{16}{5}\right) + \frac{1}{2}n \frac{467}{70}n - \frac{144}{25}$

8)  $-\frac{7}{4}\left(\frac{13}{3}r + \frac{11}{7}\right) - \frac{7}{5} - \frac{91}{12}r - \frac{83}{20}$

9)  $-1 + \frac{7}{4}\left(n - \frac{9}{5}\right) - \frac{83}{20} + \frac{7}{4}n$

10)  $-\frac{1}{7}x - \frac{23}{6}\left(\frac{3}{8}x + \frac{19}{7}\right) - \frac{177}{112}x - \frac{437}{42}$

11)  $-\frac{2}{7} + \frac{17}{8}\left(3v - \frac{11}{7}\right) - \frac{29}{8} + \frac{51}{8}v$

12)  $-\frac{2}{5} + 6\left(2p + \frac{2}{5}\right)$

$2 + 12p$

13)  $-\frac{9}{5}\left(-4n - \frac{11}{3}\right) + \frac{12}{7} \frac{36}{5}n + \frac{291}{35}$

14)  $-2\left(4v + \frac{23}{7}\right) - 7v - 15v - \frac{46}{7}$

15)  $-\frac{13}{7}m + \frac{13}{7}\left(m - \frac{2}{3}\right) - \frac{26}{21}$

16)  $-3\left(n + \frac{4}{3}\right) + \frac{15}{7}n - \frac{6}{7}n - 4$

17)  $\frac{3}{2}x - \frac{1}{8}\left(-\frac{12}{5}x - 1\right) \frac{9}{5}x + \frac{1}{8}$

18)  $\frac{13}{8}\left(-\frac{1}{3}p + \frac{1}{4}\right) + \frac{5}{2}p \frac{47}{24}p + \frac{13}{32}$

19)  $\frac{9}{2}\left(\frac{3}{4}x + \frac{5}{4}\right) + 2 \frac{61}{8} + \frac{27}{8}x$

20)  $\frac{5}{3} + \frac{13}{8}\left(k - \frac{3}{2}\right) - \frac{37}{48} + \frac{13}{8}k$

21)  $1 + 2\left(-\frac{13}{8}b - 7\right) - 13 - \frac{13}{4}b$

22)  $\frac{5}{3} + \frac{17}{8}\left(-\frac{11}{7}n + \frac{5}{8}\right) \frac{575}{192} - \frac{187}{56}n$

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

**Simplify each expression.**

1)  $-\frac{5}{2}\left(\frac{13}{6}p + 1\right) + \frac{1}{2}$

2)  $-\frac{3}{2} + \frac{1}{4}\left(-\frac{19}{8}a + 1\right)$

3)  $-\frac{2}{3}x - \frac{17}{5}\left(2x + \frac{5}{4}\right)$

4)  $\frac{37}{8}x - \frac{15}{4}\left(\frac{23}{5}x - \frac{5}{3}\right)$

5)  $-\frac{8}{5} + \frac{4}{3}\left(-\frac{3}{2}x + 1\right)$

6)  $\frac{1}{4}\left(\frac{2}{5}r + \frac{1}{4}\right) + \frac{7}{3}$

7)  $\frac{9}{8}\left(-\frac{6}{7}v + \frac{2}{5}\right) + \frac{5}{8}v$

8)  $-\frac{3}{2}\left(\frac{1}{6}b + 1\right) - 2b$

9)  $-4a + \frac{5}{4}\left(\frac{5}{4}a + \frac{8}{7}\right)$

10)  $\frac{30}{7}v - \frac{3}{2}\left(\frac{1}{6}v + \frac{8}{5}\right)$

11)  $-2\left(\frac{13}{6}n + \frac{11}{6}\right) + 2n$

12)  $\frac{11}{3}\left(\frac{3}{2}n - 1\right) + \frac{1}{2}$

13)  $\frac{3}{2}\left(\frac{58}{7}k + \frac{7}{3}\right) + \frac{13}{4}k$

14)  $\frac{13}{6}p + \frac{4}{3}\left(-\frac{17}{7}p + 1\right)$

15)  $\frac{7}{8} + 8\left(\frac{17}{5}v + 1\right)$

16)  $\frac{27}{8} - 6\left(\frac{7}{5}x + 1\right)$

17)  $\frac{1}{6}\left(\frac{9}{2}a + \frac{11}{4}\right) + \frac{7}{8}$

18)  $\frac{13}{3}\left(\frac{3}{7}x + 1\right) + \frac{5}{2}$

19)  $-\frac{15}{2}\left(-\frac{11}{6}p + \frac{11}{8}\right) + \frac{16}{5}$

20)  $-\frac{31}{8}x - \left(\frac{1}{5}x - 5\right)$

21)  $-\frac{1}{3}\left(m + \frac{7}{4}\right) + \frac{7}{6}$

22)  $\frac{5}{4}\left(\frac{11}{6}m + \frac{17}{6}\right) + \frac{3}{2}m$

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

Simplify each expression.

1)  $-\frac{5}{2}\left(\frac{13}{6}p+1\right)+\frac{1}{2} \quad -2-\frac{65}{12}p$

2)  $-\frac{3}{2}+\frac{1}{4}\left(-\frac{19}{8}a+1\right) \quad -\frac{5}{4}-\frac{19}{32}a$

3)  $-\frac{2}{3}x-\frac{17}{5}\left(2x+\frac{5}{4}\right) \quad -\frac{112}{15}x-\frac{17}{4}$

4)  $\frac{37}{8}x-\frac{15}{4}\left(\frac{23}{5}x-\frac{5}{3}\right) \quad -\frac{101}{8}x+\frac{25}{4}$

5)  $-\frac{8}{5}+\frac{4}{3}\left(-\frac{3}{2}x+1\right) \quad -\frac{4}{15}-2x$

6)  $\frac{1}{4}\left(\frac{2}{5}r+\frac{1}{4}\right)+\frac{7}{3} \quad \frac{1}{10}r+\frac{115}{48}$

7)  $\frac{9}{8}\left(-\frac{6}{7}v+\frac{2}{5}\right)+\frac{5}{8}v \quad -\frac{19}{56}v+\frac{9}{20}$

8)  $-\frac{3}{2}\left(\frac{1}{6}b+1\right)-2b \quad -\frac{9}{4}b-\frac{3}{2}$

9)  $-4a+\frac{5}{4}\left(\frac{5}{4}a+\frac{8}{7}\right) \quad -\frac{39}{16}a+\frac{10}{7}$

10)  $\frac{30}{7}v-\frac{3}{2}\left(\frac{1}{6}v+\frac{8}{5}\right) \quad \frac{113}{28}v-\frac{12}{5}$

11)  $-2\left(\frac{13}{6}n+\frac{11}{6}\right)+2n \quad -\frac{7}{3}n-\frac{11}{3}$

12)  $\frac{11}{3}\left(\frac{3}{2}n-1\right)+\frac{1}{2} \quad -\frac{19}{6}+\frac{11}{2}n$

13)  $\frac{3}{2}\left(\frac{58}{7}k+\frac{7}{3}\right)+\frac{13}{4}k \quad \frac{439}{28}k+\frac{7}{2}$

14)  $\frac{13}{6}p+\frac{4}{3}\left(-\frac{17}{7}p+1\right) \quad -\frac{15}{14}p+\frac{4}{3}$

15)  $\frac{7}{8}+8\left(\frac{17}{5}v+1\right) \quad \frac{71}{8}+\frac{136}{5}v$

16)  $\frac{27}{8}-6\left(\frac{7}{5}x+1\right) \quad -\frac{21}{8}-\frac{42}{5}x$

17)  $\frac{1}{6}\left(\frac{9}{2}a+\frac{11}{4}\right)+\frac{7}{8} \quad \frac{3}{4}a+\frac{4}{3}$

18)  $\frac{13}{3}\left(\frac{3}{7}x+1\right)+\frac{5}{2} \quad \frac{41}{6}+\frac{13}{7}x$

19)  $-\frac{15}{2}\left(-\frac{11}{6}p+\frac{11}{8}\right)+\frac{16}{5} \quad \frac{55}{4}p-\frac{569}{80}$

20)  $-\frac{31}{8}x-\left(\frac{1}{5}x-5\right) \quad -\frac{163}{40}x+5$

21)  $-\frac{1}{3}\left(m+\frac{7}{4}\right)+\frac{7}{6} \quad -\frac{1}{3}m+\frac{7}{12}$

22)  $\frac{5}{4}\left(\frac{11}{6}m+\frac{17}{6}\right)+\frac{3}{2}m \quad \frac{91}{24}m+\frac{85}{24}$

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

**Simplify each expression.**

1)  $-\frac{7}{3}m - \left(\frac{15}{8}m + 2\right)$

2)  $\frac{5}{6}x + \frac{3}{2}\left(\frac{3}{2}x + \frac{6}{5}\right)$

3)  $-\frac{3}{2}x - \frac{6}{5}\left(-\frac{1}{4}x + \frac{7}{2}\right)$

4)  $1 - \frac{19}{6}\left(-\frac{1}{2}p - \frac{3}{2}\right)$

5)  $\frac{9}{2}\left(\frac{1}{8}a + 2\right) + \frac{5}{2}a$

6)  $\frac{5}{8}\left(x + \frac{3}{4}\right) + \frac{22}{5}$

7)  $-\frac{9}{7}\left(x - \frac{13}{5}\right) + \frac{1}{2}x$

8)  $\frac{7}{2}\left(\frac{3}{5}r + 6\right) - 2$

9)  $-\frac{2}{7} + \frac{2}{5}\left(\frac{4}{3}n - \frac{5}{7}\right)$

10)  $\frac{29}{7}\left(\frac{2}{5}x + \frac{23}{5}\right) + \frac{13}{8}x$

11)  $\frac{1}{6}p + \frac{1}{2}\left(\frac{31}{8}p + 1\right)$

12)  $-\frac{13}{8}\left(\frac{1}{2}x + \frac{2}{3}\right) - \frac{5}{8}$

13)  $-\frac{1}{2}\left(\frac{25}{6}x + \frac{1}{2}\right) + \frac{3}{2}$

14)  $-8\left(-\frac{3}{2}r - \frac{5}{4}\right) + r$

15)  $1 + \frac{7}{4}\left(\frac{12}{7}x - \frac{1}{2}\right)$

16)  $\frac{7}{4}v + \frac{3}{2}\left(\frac{4}{3}v + \frac{29}{6}\right)$

17)  $\frac{9}{4}x + \frac{19}{4}\left(-\frac{3}{7}x - \frac{3}{2}\right)$

18)  $-7\left(-\frac{7}{2}v - \frac{3}{2}\right) + \frac{8}{5}$

19)  $\frac{11}{6}\left(p + \frac{1}{3}\right) - \frac{5}{4}p$

20)  $-\frac{11}{8}\left(-\frac{1}{6}v + \frac{8}{5}\right) + \frac{3}{2}v$

21)  $-\frac{13}{6}x + \frac{2}{5}\left(\frac{1}{6}x - \frac{3}{2}\right)$

22)  $\frac{7}{2}k + 2\left(\frac{8}{5}k + 1\right)$

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

Simplify each expression.

1)  $-\frac{7}{3}m - \left(\frac{15}{8}m + 2\right) - \frac{101}{24}m - 2$

2)  $\frac{5}{6}x + \frac{3}{2}\left(\frac{3}{2}x + \frac{6}{5}\right) - \frac{37}{12}x + \frac{9}{5}$

3)  $-\frac{3}{2}x - \frac{6}{5}\left(-\frac{1}{4}x + \frac{7}{2}\right) - \frac{6}{5}x - \frac{21}{5}$

4)  $1 - \frac{19}{6}\left(-\frac{1}{2}p - \frac{3}{2}\right) - \frac{23}{4} + \frac{19}{12}p$

5)  $\frac{9}{2}\left(\frac{1}{8}a + 2\right) + \frac{5}{2}a - 9 + \frac{49}{16}a$

6)  $\frac{5}{8}\left(x + \frac{3}{4}\right) + \frac{22}{5} - \frac{5}{8}x + \frac{779}{160}$

7)  $-\frac{9}{7}\left(x - \frac{13}{5}\right) + \frac{1}{2}x - \frac{11}{14}x + \frac{117}{35}$

8)  $\frac{7}{2}\left(\frac{3}{5}r + 6\right) - 2 - 19 + \frac{21}{10}r$

9)  $-\frac{2}{7} + \frac{2}{5}\left(\frac{4}{3}n - \frac{5}{7}\right) - \frac{4}{7} + \frac{8}{15}n$

10)  $\frac{29}{7}\left(\frac{2}{5}x + \frac{23}{5}\right) + \frac{13}{8}x - \frac{919}{280}x + \frac{667}{35}$

11)  $\frac{1}{6}p + \frac{1}{2}\left(\frac{31}{8}p + 1\right) - \frac{101}{48}p + \frac{1}{2}$

12)  $-\frac{13}{8}\left(\frac{1}{2}x + \frac{2}{3}\right) - \frac{5}{8} - \frac{13}{16}x - \frac{41}{24}$

13)  $-\frac{1}{2}\left(\frac{25}{6}x + \frac{1}{2}\right) + \frac{3}{2} - \frac{25}{12}x + \frac{5}{4}$

14)  $-8\left(-\frac{3}{2}r - \frac{5}{4}\right) + r$

$13r + 10$

15)  $1 + \frac{7}{4}\left(\frac{12}{7}x - \frac{1}{2}\right) - \frac{1}{8} + 3x$

16)  $\frac{7}{4}v + \frac{3}{2}\left(\frac{4}{3}v + \frac{29}{6}\right) - \frac{15}{4}v + \frac{29}{4}$

17)  $\frac{9}{4}x + \frac{19}{4}\left(-\frac{3}{7}x - \frac{3}{2}\right) - \frac{3}{14}x - \frac{57}{8}$

18)  $-7\left(-\frac{7}{2}v - \frac{3}{2}\right) + \frac{8}{5} - \frac{49}{2}v + \frac{121}{10}$

19)  $\frac{11}{6}\left(p + \frac{1}{3}\right) - \frac{5}{4}p - \frac{7}{12}p + \frac{11}{18}$

20)  $-\frac{11}{8}\left(-\frac{1}{6}v + \frac{8}{5}\right) + \frac{3}{2}v - \frac{83}{48}v - \frac{11}{5}$

21)  $-\frac{13}{6}x + \frac{2}{5}\left(\frac{1}{6}x - \frac{3}{2}\right) - \frac{21}{10}x - \frac{3}{5}$

22)  $\frac{7}{2}k + 2\left(\frac{8}{5}k + 1\right) - \frac{67}{10}k + 2$

## Assignment

**Simplify each expression.**

1)  $\frac{4}{5} + \frac{2}{5}\left(v + \frac{23}{8}\right)$

2)  $-\frac{5}{7}\left(6b - \frac{2}{3}\right) + \frac{25}{6}$

3)  $\frac{5}{6} - \frac{4}{5}\left(\frac{7}{5}x - 2\right)$

4)  $\frac{3}{2} - \frac{5}{4}\left(k + \frac{34}{7}\right)$

5)  $6 - \left(\frac{7}{2}b - \frac{6}{5}\right)$

6)  $\frac{1}{4}\left(-\frac{2}{3}x + 1\right) + \frac{3}{2}$

7)  $\frac{39}{8}p - \frac{8}{5}\left(3p - \frac{3}{4}\right)$

8)  $-\frac{12}{7}b - \frac{1}{6}\left(-\frac{3}{2}b + 2\right)$

9)  $-\left(\frac{11}{8}k + \frac{3}{4}\right) - \frac{16}{3}$

10)  $-8\left(\frac{3}{5}v + \frac{33}{8}\right) - \frac{11}{5}$

11)  $\frac{1}{2}\left(\frac{23}{6}x + \frac{5}{7}\right) + \frac{13}{8}$

12)  $\frac{1}{3}x - \frac{10}{3}\left(\frac{2}{7}x + \frac{3}{5}\right)$

13)  $-\frac{12}{7}\left(-\frac{17}{6}x + \frac{15}{8}\right) + 1$

14)  $-\frac{2}{3}x + \frac{2}{3}\left(\frac{3}{4}x + 2\right)$

15)  $\frac{1}{4} + \frac{13}{3}\left(\frac{3}{4}a + \frac{2}{3}\right)$

16)  $-3\left(-\frac{7}{4}x + 7\right) - \frac{7}{5}$

17)  $-\frac{2}{3}\left(-\frac{10}{7}n - \frac{5}{3}\right) - \frac{9}{8}n$

18)  $-\frac{19}{6}\left(-\frac{12}{7}x - \frac{7}{6}\right) - \frac{2}{3}$

19)  $\frac{5}{2}\left(\frac{5}{3}n - 3\right) - \frac{17}{8}n$

20)  $\frac{5}{4}x - \frac{7}{2}\left(-6x + \frac{3}{5}\right)$

21)  $5 - \frac{3}{2}\left(-5n - \frac{3}{2}\right)$

22)  $\frac{3}{4}n - \frac{4}{5}\left(n + \frac{3}{7}\right)$

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

Simplify each expression.

1)  $\frac{4}{5} + \frac{2}{5}\left(v + \frac{23}{8}\right) = \frac{39}{20} + \frac{2}{5}v$

2)  $-\frac{5}{7}\left(6b - \frac{2}{3}\right) + \frac{25}{6} = -\frac{30}{7}b + \frac{65}{14}$

3)  $\frac{5}{6} - \frac{4}{5}\left(\frac{7}{5}x - 2\right) = \frac{73}{30} - \frac{28}{25}x$

4)  $\frac{3}{2} - \frac{5}{4}\left(k + \frac{34}{7}\right) = -\frac{32}{7} - \frac{5}{4}k$

5)  $6 - \left(\frac{7}{2}b - \frac{6}{5}\right) = \frac{36}{5} - \frac{7}{2}b$

6)  $\frac{1}{4}\left(-\frac{2}{3}x + 1\right) + \frac{3}{2} = \frac{7}{4} - \frac{1}{6}x$

7)  $\frac{39}{8}p - \frac{8}{5}\left(3p - \frac{3}{4}\right) = \frac{3}{40}p + \frac{6}{5}$

8)  $-\frac{12}{7}b - \frac{1}{6}\left(-\frac{3}{2}b + 2\right) = -\frac{41}{28}b - \frac{1}{3}$

9)  $-\left(\frac{11}{8}k + \frac{3}{4}\right) - \frac{16}{3} = -\frac{11}{8}k - \frac{73}{12}$

10)  $-8\left(\frac{3}{5}v + \frac{33}{8}\right) - \frac{11}{5} = -\frac{24}{5}v - \frac{176}{5}$

11)  $\frac{1}{2}\left(\frac{23}{6}x + \frac{5}{7}\right) + \frac{13}{8} = \frac{23}{12}x + \frac{111}{56}$

12)  $\frac{1}{3}x - \frac{10}{3}\left(\frac{2}{7}x + \frac{3}{5}\right) = -\frac{13}{21}x - 2$

13)  $-\frac{12}{7}\left(-\frac{17}{6}x + \frac{15}{8}\right) + 1 = -\frac{31}{14} + \frac{34}{7}x$

14)  $-\frac{2}{3}x + \frac{2}{3}\left(\frac{3}{4}x + 2\right) = -\frac{1}{6}x + \frac{4}{3}$

15)  $\frac{1}{4} + \frac{13}{3}\left(\frac{3}{4}a + \frac{2}{3}\right) = \frac{113}{36} + \frac{13}{4}a$

16)  $-3\left(-\frac{7}{4}x + 7\right) - \frac{7}{5} = -\frac{112}{5} + \frac{21}{4}x$

17)  $-\frac{2}{3}\left(-\frac{10}{7}n - \frac{5}{3}\right) - \frac{9}{8} = -\frac{29}{168}n + \frac{10}{9}$

18)  $-\frac{19}{6}\left(-\frac{12}{7}x - \frac{7}{6}\right) - \frac{2}{3} = \frac{38}{7}x + \frac{109}{36}$

19)  $\frac{5}{2}\left(\frac{5}{3}n - 3\right) - \frac{17}{8}n = -\frac{15}{2} + \frac{49}{24}n$

20)  $\frac{5}{4}x - \frac{7}{2}\left(-6x + \frac{3}{5}\right) = \frac{89}{4}x - \frac{21}{10}$

21)  $5 - \frac{3}{2}\left(-5n - \frac{3}{2}\right) = \frac{29}{4} + \frac{15}{2}n$

22)  $\frac{3}{4}n - \frac{4}{5}\left(n + \frac{3}{7}\right) = -\frac{1}{20}n - \frac{12}{35}$



## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

**Simplify each expression.**

1)  $-\frac{12}{5}\left(n + \frac{1}{3}\right) - \frac{10}{7}$

2)  $\frac{3}{2} + \frac{8}{5}\left(\frac{13}{7}v + \frac{13}{6}\right)$

3)  $\frac{11}{7}\left(\frac{3}{2}a - \frac{3}{2}\right) + \frac{15}{4}a$

4)  $\frac{7}{2}r + \frac{13}{4}\left(r - \frac{13}{4}\right)$

5)  $-\frac{11}{5}\left(\frac{5}{6}a + \frac{3}{2}\right) + \frac{15}{8}$

6)  $\frac{13}{7}\left(\frac{35}{8}x - \frac{5}{2}\right) + \frac{2}{3}$

7)  $-\frac{7}{3}\left(-\frac{6}{5}b - 8\right) + b$

8)  $\frac{3}{2}k + \frac{1}{2}\left(k + \frac{19}{5}\right)$

9)  $\frac{15}{8} + \frac{5}{2}\left(\frac{3}{7}p + 2\right)$

10)  $\frac{27}{8}\left(\frac{1}{8}p + \frac{1}{2}\right) - \frac{11}{6}p$

11)  $2\left(x - \frac{15}{4}\right) - \frac{1}{2}$

12)  $\frac{5}{4}\left(\frac{5}{6}r + \frac{27}{7}\right) + \frac{4}{5}$

13)  $-1 - 5\left(8n + \frac{2}{7}\right)$

14)  $\frac{11}{3}\left(-\frac{1}{2}n + 1\right) + \frac{1}{2}$

15)  $-3 - \frac{4}{5}\left(-\frac{5}{3}k + \frac{2}{3}\right)$

16)  $\frac{18}{5}\left(\frac{11}{7}a + \frac{35}{8}\right) + \frac{13}{4}$

17)  $\frac{3}{2}v - 2\left(-\frac{15}{4}v + \frac{3}{4}\right)$

18)  $-\frac{10}{3} - \frac{8}{3}\left(-\frac{9}{4}r - \frac{21}{8}\right)$

19)  $-\frac{6}{7}\left(k - \frac{5}{3}\right) + \frac{2}{3}$

20)  $-\frac{17}{6}\left(\frac{1}{2}x + \frac{5}{2}\right) + \frac{5}{3}$

21)  $-\frac{24}{7} - \left(-\frac{3}{5}m + \frac{1}{2}\right)$

22)  $\frac{12}{7}m - \frac{5}{4}\left(m - \frac{5}{3}\right)$

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

Simplify each expression.

1)  $-\frac{12}{5}\left(n + \frac{1}{3}\right) - \frac{10}{7} - \frac{12}{5}n - \frac{78}{35}$

2)  $\frac{3}{2} + \frac{8}{5}\left(\frac{13}{7}v + \frac{13}{6}\right) - \frac{149}{30} + \frac{104}{35}v$

3)  $\frac{11}{7}\left(\frac{3}{2}a - \frac{3}{2}\right) + \frac{15}{4}a - \frac{171}{28}a - \frac{33}{14}$

4)  $\frac{7}{2}r + \frac{13}{4}\left(r - \frac{13}{4}\right) - \frac{27}{4}r - \frac{169}{16}$

5)  $-\frac{11}{5}\left(\frac{5}{6}a + \frac{3}{2}\right) + \frac{15}{8} - \frac{11}{6}a - \frac{57}{40}$

6)  $\frac{13}{7}\left(\frac{35}{8}x - \frac{5}{2}\right) + \frac{2}{3} - \frac{65}{8}x - \frac{167}{42}$

7)  $-\frac{7}{3}\left(-\frac{6}{5}b - 8\right) + b - \frac{19}{5}b + \frac{56}{3}$

8)  $\frac{3}{2}k + \frac{1}{2}\left(k + \frac{19}{5}\right) - 2k + \frac{19}{10}$

9)  $\frac{15}{8} + \frac{5}{2}\left(\frac{3}{7}p + 2\right) - \frac{55}{8} + \frac{15}{14}p$

10)  $\frac{27}{8}\left(\frac{1}{8}p + \frac{1}{2}\right) - \frac{11}{6}p - \frac{271}{192}p + \frac{27}{16}$

11)  $2\left(x - \frac{15}{4}\right) - \frac{1}{2}$

12)  $\frac{5}{4}\left(\frac{5}{6}r + \frac{27}{7}\right) + \frac{4}{5} - \frac{25}{24}r + \frac{787}{140}$

$2x - 8$

13)  $-1 - 5\left(8n + \frac{2}{7}\right) - \frac{17}{7} - 40n$

14)  $\frac{11}{3}\left(-\frac{1}{2}n + 1\right) + \frac{1}{2} - \frac{25}{6} - \frac{11}{6}n$

15)  $-3 - \frac{4}{5}\left(-\frac{5}{3}k + \frac{2}{3}\right) - \frac{53}{15} + \frac{4}{3}k$

16)  $\frac{18}{5}\left(\frac{11}{7}a + \frac{35}{8}\right) + \frac{13}{4} - \frac{198}{35}a + 19$

17)  $\frac{3}{2}v - 2\left(-\frac{15}{4}v + \frac{3}{4}\right) - 9v - \frac{3}{2}$

18)  $-\frac{10}{3} - \frac{8}{3}\left(-\frac{9}{4}r - \frac{21}{8}\right) - 6r + \frac{11}{3}$

19)  $-\frac{6}{7}\left(k - \frac{5}{3}\right) + \frac{2}{3} - \frac{6}{7}k + \frac{44}{21}$

20)  $-\frac{17}{6}\left(\frac{1}{2}x + \frac{5}{2}\right) + \frac{5}{3} - \frac{17}{12}x - \frac{65}{12}$

21)  $-\frac{24}{7} - \left(-\frac{3}{5}m + \frac{1}{2}\right) - \frac{55}{14} + \frac{3}{5}m$

22)  $\frac{12}{7}m - \frac{5}{4}\left(m - \frac{5}{3}\right) - \frac{13}{28}m + \frac{25}{12}$

## Assignment

**Simplify each expression.**

1)  $\frac{9}{4}b + \frac{3}{2}\left(b + \frac{31}{8}\right)$

2)  $-1 - \left(b - \frac{19}{6}\right)$

3)  $\frac{2}{3}x + \frac{5}{6}\left(x + \frac{17}{6}\right)$

4)  $2\left(-\frac{3}{2}a + \frac{15}{4}\right) - \frac{7}{4}a$

5)  $-\frac{3}{2}x + \frac{30}{7}\left(-\frac{11}{7}x + \frac{5}{7}\right)$

6)  $-2x - \frac{4}{5}\left(x + \frac{4}{3}\right)$

7)  $1 + \frac{7}{5}\left(2k + \frac{3}{5}\right)$

8)  $\frac{1}{2} + \frac{17}{4}\left(\frac{5}{3}v + \frac{3}{2}\right)$

9)  $\frac{9}{2}\left(n + \frac{2}{3}\right) + \frac{1}{7}$

10)  $\frac{13}{4} - \frac{31}{8}\left(\frac{2}{7}x + \frac{17}{4}\right)$

11)  $-1 - 2\left(\frac{17}{6}b - \frac{10}{3}\right)$

12)  $-\frac{23}{7}x - \frac{1}{8}\left(-\frac{16}{5}x + 1\right)$

13)  $\frac{2}{3}\left(-\frac{15}{8}x + 1\right) + \frac{33}{7}$

14)  $-\frac{5}{4}\left(-\frac{5}{7}x + \frac{6}{5}\right) - \frac{11}{6}x$

15)  $-\frac{15}{8}p + \frac{20}{7}\left(p + \frac{7}{6}\right)$

16)  $-2\left(a + \frac{2}{3}\right) + \frac{9}{2}a$

17)  $\frac{19}{5}\left(-\frac{5}{7}x + 1\right) + \frac{3}{2}$

18)  $-\frac{9}{5}\left(-\frac{11}{6}x + \frac{3}{5}\right) - 1$

19)  $-\frac{3}{7}\left(-\frac{8}{5}x + 1\right) - \frac{4}{3}$

20)  $\frac{2}{3}\left(x + \frac{15}{4}\right) - \frac{11}{6}$

21)  $\frac{5}{6}\left(-x + \frac{1}{4}\right) + 1$

22)  $\frac{1}{3}\left(4x - \frac{5}{4}\right) - \frac{1}{3}x$

## Assignment

Simplify each expression.

1)  $\frac{9}{4}b + \frac{3}{2}\left(b + \frac{31}{8}\right) = \frac{15}{4}b + \frac{93}{16}$

2)  $-1 - \left(b - \frac{19}{6}\right) = \frac{13}{6} - b$

3)  $\frac{2}{3}x + \frac{5}{6}\left(x + \frac{17}{6}\right) = \frac{3}{2}x + \frac{85}{36}$

4)  $2\left(-\frac{3}{2}a + \frac{15}{4}\right) - \frac{7}{4}a = -\frac{19}{4}a + \frac{15}{2}$

5)  $-\frac{3}{2}x + \frac{30}{7}\left(-\frac{11}{7}x + \frac{5}{7}\right) = -\frac{807}{98}x + \frac{150}{49}$

6)  $-2x - \frac{4}{5}\left(x + \frac{4}{3}\right) = -\frac{14}{5}x - \frac{16}{15}$

7)  $1 + \frac{7}{5}\left(2k + \frac{3}{5}\right) = \frac{46}{25} + \frac{14}{5}k$

8)  $\frac{1}{2} + \frac{17}{4}\left(\frac{5}{3}v + \frac{3}{2}\right) = \frac{55}{8} + \frac{85}{12}v$

9)  $\frac{9}{2}\left(n + \frac{2}{3}\right) + \frac{1}{7} = \frac{9}{2}n + \frac{22}{7}$

10)  $\frac{13}{4} - \frac{31}{8}\left(\frac{2}{7}x + \frac{17}{4}\right) = -\frac{423}{32} - \frac{31}{28}x$

11)  $-1 - 2\left(\frac{17}{6}b - \frac{10}{3}\right) = \frac{17}{3} - \frac{17}{3}b$

12)  $-\frac{23}{7}x - \frac{1}{8}\left(-\frac{16}{5}x + 1\right) = -\frac{101}{35}x - \frac{1}{8}$

13)  $\frac{2}{3}\left(-\frac{15}{8}x + 1\right) + \frac{33}{7} = \frac{113}{21} - \frac{5}{4}x$

14)  $-\frac{5}{4}\left(-\frac{5}{7}x + \frac{6}{5}\right) - \frac{11}{6}x = -\frac{79}{84}x - \frac{3}{2}$

15)  $-\frac{15}{8}p + \frac{20}{7}\left(p + \frac{7}{6}\right) = \frac{55}{56}p + \frac{10}{3}$

16)  $-2\left(a + \frac{2}{3}\right) + \frac{9}{2}a = \frac{5}{2}a - \frac{4}{3}$

17)  $\frac{19}{5}\left(-\frac{5}{7}x + 1\right) + \frac{3}{2} = \frac{53}{10} - \frac{19}{7}x$

18)  $-\frac{9}{5}\left(-\frac{11}{6}x + \frac{3}{5}\right) - 1 = -\frac{52}{25} + \frac{33}{10}x$

19)  $-\frac{3}{7}\left(-\frac{8}{5}x + 1\right) - \frac{4}{3} = -\frac{37}{21} + \frac{24}{35}x$

20)  $\frac{2}{3}\left(x + \frac{15}{4}\right) - \frac{11}{6} = \frac{2}{3}x + \frac{2}{3}$

21)  $\frac{5}{6}\left(-x + \frac{1}{4}\right) + 1 = \frac{29}{24} - \frac{5}{6}x$

22)  $\frac{1}{3}\left(4x - \frac{5}{4}\right) - \frac{1}{3}x = x - \frac{5}{12}$