

Name:

Grade:

Date:

**Solve each equation.**

1)  $\frac{315}{598} = \frac{15v}{46}$

- A)  $\{2\}$                       B)  $\left\{\frac{3}{10}\right\}$   
C)  $\left\{1\frac{8}{13}\right\}$                 D)  $\left\{8\frac{2}{5}\right\}$

2)  $-21 = n - 2$

- A)  $\{-23\}$                     B)  $\{-19\}$   
C)  $\{-42\}$                     D)  $\left\{-10\frac{1}{2}\right\}$

3)  $\frac{8x}{87} = -\frac{32}{261}$

- A)  $\left\{1\frac{3}{13}\right\}$                     B)  $\left\{-\frac{2}{3}\right\}$   
C)  $\left\{\frac{13}{16}\right\}$                     D)  $\left\{-1\frac{1}{3}\right\}$

4)  $\frac{3}{4} + n = \frac{185}{44}$

- A)  $\{1\}$                         B)  $\left\{8\frac{11}{17}\right\}$   
C)  $\left\{10\frac{7}{13}\right\}$                 D)  $\left\{3\frac{5}{11}\right\}$

5)  $\frac{544}{539} = \frac{16x}{49}$

- A)  $\left\{4\frac{2}{3}\right\}$                     B)  $\{6\}$   
C)  $\left\{9\frac{1}{6}\right\}$                     D)  $\left\{3\frac{1}{11}\right\}$

6)  $-\frac{29}{19} + m = \frac{107}{266}$

- A)  $\left\{-\frac{3}{7}\right\}$                     B)  $\left\{4\frac{2}{3}\right\}$   
C)  $\left\{1\frac{13}{14}\right\}$                 D)  $\left\{-2\frac{11}{14}\right\}$

7)  $-1\frac{1}{6} + x = \frac{97}{66}$

- A)  $\left\{2\frac{7}{11}\right\}$                     B)  $\left\{-1\frac{20}{77}\right\}$   
C)  $\left\{5\frac{2}{15}\right\}$                     D)  $\left\{\frac{10}{33}\right\}$

8)  $3\frac{8}{11} = \frac{8}{11} + b$

- A)  $\left\{5\frac{1}{8}\right\}$                     B)  $\left\{4\frac{5}{11}\right\}$   
C)  $\{3\}$                         D)  $\left\{9\frac{2}{3}\right\}$

9)  $7\frac{4}{5} = 6\frac{1}{2}b$

- A)  $\left\{-1\frac{2}{3}\right\}$                     B)  $\left\{1\frac{1}{5}\right\}$   
C)  $\left\{1\frac{3}{10}\right\}$                     D)  $\{-2\}$

10)  $-\frac{17}{30} = -\frac{3}{5}x$

- A)  $\left\{\frac{17}{18}\right\}$                     B)  $\left\{1\frac{1}{10}\right\}$   
C)  $\left\{\frac{17}{50}\right\}$                     D)  $\left\{-2\frac{7}{30}\right\}$

Name:

Grade:

Date:

Solve each equation.

1)  $\frac{315}{598} = \frac{15v}{46}$

- A)  $\{2\}$                       B)  $\left\{\frac{3}{10}\right\}$   
\*C)  $\left\{1\frac{8}{13}\right\}$                 D)  $\left\{8\frac{2}{5}\right\}$

2)  $-21 = n - 2$

- A)  $\{-23\}$                     \*B)  $\{-19\}$   
C)  $\{-42\}$                     D)  $\left\{-10\frac{1}{2}\right\}$

3)  $\frac{8x}{87} = -\frac{32}{261}$

- A)  $\left\{1\frac{3}{13}\right\}$                     B)  $\left\{-\frac{2}{3}\right\}$   
C)  $\left\{\frac{13}{16}\right\}$                     \*D)  $\left\{-1\frac{1}{3}\right\}$

4)  $\frac{3}{4} + n = \frac{185}{44}$

- A)  $\{1\}$                               B)  $\left\{8\frac{11}{17}\right\}$   
C)  $\left\{10\frac{7}{13}\right\}$                 \*D)  $\left\{3\frac{5}{11}\right\}$

5)  $\frac{544}{539} = \frac{16x}{49}$

- A)  $\left\{4\frac{2}{3}\right\}$                     B)  $\{6\}$   
C)  $\left\{9\frac{1}{6}\right\}$                     \*D)  $\left\{3\frac{1}{11}\right\}$

6)  $-\frac{29}{19} + m = \frac{107}{266}$

- A)  $\left\{-\frac{3}{7}\right\}$                     B)  $\left\{4\frac{2}{3}\right\}$   
\*C)  $\left\{1\frac{13}{14}\right\}$                 D)  $\left\{-2\frac{11}{14}\right\}$

7)  $-1\frac{1}{6} + x = \frac{97}{66}$

- \*A)  $\left\{2\frac{7}{11}\right\}$                     B)  $\left\{-1\frac{20}{77}\right\}$   
C)  $\left\{5\frac{2}{15}\right\}$                     D)  $\left\{\frac{10}{33}\right\}$

8)  $3\frac{8}{11} = \frac{8}{11} + b$

- A)  $\left\{5\frac{1}{8}\right\}$                     B)  $\left\{4\frac{5}{11}\right\}$   
\*C)  $\{3\}$                         D)  $\left\{9\frac{2}{3}\right\}$

9)  $7\frac{4}{5} = 6\frac{1}{2}b$

- A)  $\left\{-1\frac{2}{3}\right\}$                     \*B)  $\left\{1\frac{1}{5}\right\}$   
C)  $\left\{1\frac{3}{10}\right\}$                     D)  $\{-2\}$

10)  $-\frac{17}{30} = -\frac{3}{5}x$

- \*A)  $\left\{\frac{17}{18}\right\}$                     B)  $\left\{1\frac{1}{10}\right\}$   
C)  $\left\{\frac{17}{50}\right\}$                     D)  $\left\{-2\frac{7}{30}\right\}$

Name:

Grade:

Date:

**Solve each equation.**

1)  $-\frac{5}{3} + n = -1$

- A)  $\left\{\frac{3}{5}\right\}$       B)  $\left\{-2\frac{2}{3}\right\}$   
C)  $\left\{1\frac{2}{3}\right\}$       D)  $\left\{\frac{2}{3}\right\}$

2)  $\frac{27}{13} = 3v$

- A)  $\left\{\frac{9}{13}\right\}$       B)  $\left\{1\frac{29}{39}\right\}$   
C)  $\left\{6\frac{3}{13}\right\}$       D)  $\left\{2\frac{16}{39}\right\}$

3)  $\frac{82}{85} = 2\frac{1}{20}m$

- A)  $\left\{-1\frac{1}{2}\right\}$       B)  $\left\{-1\frac{12}{17}\right\}$   
C)  $\left\{\frac{8}{17}\right\}$       D)  $\left\{\frac{10}{13}\right\}$

4)  $-3\frac{19}{44} = -1\frac{2}{11} - r$

- A)  $\left\{-\frac{1}{6}\right\}$       B)  $\left\{-2\frac{1}{4}\right\}$   
C)  $\left\{10\frac{3}{4}\right\}$       D)  $\left\{2\frac{1}{4}\right\}$

5)  $\frac{9v}{11} = 5\frac{73}{88}$

- A)  $\left\{4\frac{2}{3}\right\}$       B)  $\left\{1\frac{1}{3}\right\}$   
C)  $\left\{1\frac{2}{3}\right\}$       D)  $\left\{7\frac{1}{8}\right\}$

6)  $\frac{107}{72} = \frac{3}{8} + v$

- A)  $\left\{-2\frac{1}{13}\right\}$       B)  $\left\{1\frac{1}{9}\right\}$   
C)  $\left\{1\frac{31}{36}\right\}$       D)  $\left\{1\frac{3}{4}\right\}$

7)  $2 - x = 3\frac{7}{19}$

- A)  $\left\{1\frac{13}{19}\right\}$       B)  $\left\{1\frac{7}{19}\right\}$   
C)  $\left\{-1\frac{7}{19}\right\}$       D)  $\left\{\frac{5}{6}\right\}$

8)  $\frac{14}{5} = -\frac{13}{10} + n$

- A)  $\left\{1\frac{1}{2}\right\}$       B)  $\left\{-2\frac{2}{13}\right\}$   
C)  $\left\{-3\frac{16}{25}\right\}$       D)  $\left\{4\frac{1}{10}\right\}$

9)  $3\frac{16}{51} = \frac{5}{3} - n$

- A)  $\left\{1\frac{11}{17}\right\}$       B)  $\left\{-11\frac{11}{16}\right\}$   
C)  $\left\{-\frac{2}{7}\right\}$       D)  $\left\{-1\frac{11}{17}\right\}$

10)  $\frac{x}{17} = \frac{8}{153}$

- A)  $\left\{-3\frac{11}{12}\right\}$       B)  $\left\{-1\frac{8}{13}\right\}$   
C)  $\left\{-\frac{2}{9}\right\}$       D)  $\left\{\frac{8}{9}\right\}$

Name:

Grade:

Date:

Solve each equation.

1)  $-\frac{5}{3} + n = -1$

- A)  $\left\{\frac{3}{5}\right\}$       B)  $\left\{-2\frac{2}{3}\right\}$   
C)  $\left\{1\frac{2}{3}\right\}$       \*D)  $\left\{\frac{2}{3}\right\}$

2)  $\frac{27}{13} = 3v$

- \*A)  $\left\{\frac{9}{13}\right\}$       B)  $\left\{1\frac{29}{39}\right\}$   
C)  $\left\{6\frac{3}{13}\right\}$       D)  $\left\{2\frac{16}{39}\right\}$

3)  $\frac{82}{85} = 2\frac{1}{20}m$

- A)  $\left\{-1\frac{1}{2}\right\}$       B)  $\left\{-1\frac{12}{17}\right\}$   
\*C)  $\left\{\frac{8}{17}\right\}$       D)  $\left\{\frac{10}{13}\right\}$

4)  $-3\frac{19}{44} = -1\frac{2}{11} - r$

- A)  $\left\{-\frac{1}{6}\right\}$       B)  $\left\{-2\frac{1}{4}\right\}$   
C)  $\left\{10\frac{3}{4}\right\}$       \*D)  $\left\{2\frac{1}{4}\right\}$

5)  $\frac{9v}{11} = 5\frac{73}{88}$

- A)  $\left\{4\frac{2}{3}\right\}$       B)  $\left\{1\frac{1}{3}\right\}$   
C)  $\left\{1\frac{2}{3}\right\}$       \*D)  $\left\{7\frac{1}{8}\right\}$

6)  $\frac{107}{72} = \frac{3}{8} + v$

- A)  $\left\{-2\frac{1}{13}\right\}$       \*B)  $\left\{1\frac{1}{9}\right\}$   
C)  $\left\{1\frac{31}{36}\right\}$       D)  $\left\{1\frac{3}{4}\right\}$

7)  $2 - x = 3\frac{7}{19}$

- A)  $\left\{1\frac{13}{19}\right\}$       B)  $\left\{1\frac{7}{19}\right\}$   
\*C)  $\left\{-1\frac{7}{19}\right\}$       D)  $\left\{\frac{5}{6}\right\}$

8)  $\frac{14}{5} = -\frac{13}{10} + n$

- A)  $\left\{1\frac{1}{2}\right\}$       B)  $\left\{-2\frac{2}{13}\right\}$   
C)  $\left\{-3\frac{16}{25}\right\}$       \*D)  $\left\{4\frac{1}{10}\right\}$

9)  $3\frac{16}{51} = \frac{5}{3} - n$

- A)  $\left\{1\frac{11}{17}\right\}$       B)  $\left\{-11\frac{11}{16}\right\}$   
C)  $\left\{-\frac{2}{7}\right\}$       \*D)  $\left\{-1\frac{11}{17}\right\}$

10)  $\frac{x}{17} = \frac{8}{153}$

- A)  $\left\{-3\frac{11}{12}\right\}$       B)  $\left\{-1\frac{8}{13}\right\}$   
C)  $\left\{-\frac{2}{9}\right\}$       \*D)  $\left\{\frac{8}{9}\right\}$

Name:

Grade:

Date:

Solve each equation.

1)  $-\frac{2}{3}a = -\frac{2}{57}$

- A)  $\left\{7\frac{13}{15}\right\}$       B)  $\left\{-1\frac{8}{9}\right\}$   
C)  $\left\{\frac{1}{19}\right\}$       D)  $\left\{8\frac{5}{7}\right\}$

2)  $\frac{19}{13}x = \frac{551}{91}$

- A)  $\left\{8\frac{4}{9}\right\}$       B)  $\left\{8\frac{11}{15}\right\}$   
C)  $\{-1\}$       D)  $\left\{4\frac{1}{7}\right\}$

3)  $\frac{v}{3} = \frac{1}{3}$

- A)  $\left\{\frac{1}{9}\right\}$       B)  $\{1\}$   
C)  $\left\{-2\frac{2}{3}\right\}$       D)  $\left\{3\frac{1}{3}\right\}$

4)  $-2n = -34$

- A)  $\{17\}$       B)  $\{68\}$   
C)  $\left\{-33\frac{1}{2}\right\}$       D)  $\left\{-34\frac{1}{2}\right\}$

5)  $a + 3\frac{6}{11} = 4\frac{47}{66}$

- A)  $\left\{-\frac{5}{6}\right\}$       B)  $\left\{1\frac{1}{6}\right\}$   
C)  $\left\{-\frac{7}{11}\right\}$       D)  $\left\{-2\frac{7}{20}\right\}$

6)  $\frac{17n}{93} = \frac{391}{1116}$

- A)  $\left\{5\frac{7}{8}\right\}$       B)  $\left\{2\frac{5}{12}\right\}$   
C)  $\left\{1\frac{11}{12}\right\}$       D)  $\{-15\}$

7)  $\frac{7x}{58} = -\frac{287}{754}$

- A)  $\left\{-1\frac{14}{17}\right\}$       B)  $\left\{-3\frac{2}{13}\right\}$   
C)  $\left\{\frac{1}{5}\right\}$       D)  $\left\{-\frac{1}{2}\right\}$

8)  $-2\frac{211}{234} = x - 2\frac{11}{13}$

- A)  $\left\{-\frac{1}{18}\right\}$       B)  $\left\{-\frac{1}{3}\right\}$   
C)  $\left\{-2\frac{15}{16}\right\}$       D)  $\left\{6\frac{8}{17}\right\}$

9)  $\frac{112}{135} = \frac{16a}{171}$

- A)  $\left\{8\frac{13}{15}\right\}$       B)  $\left\{3\frac{13}{15}\right\}$   
C)  $\left\{8\frac{13}{16}\right\}$       D)  $\left\{6\frac{1}{10}\right\}$

10)  $\frac{195}{19} = n + 8\frac{8}{19}$

- A)  $\left\{1\frac{5}{12}\right\}$       B)  $\left\{1\frac{16}{19}\right\}$   
C)  $\left\{8\frac{4}{9}\right\}$       D)  $\left\{1\frac{7}{32}\right\}$

Name:

Grade:

Date:

Solve each equation.

1)  $-\frac{2}{3}a = -\frac{2}{57}$

- A)  $\left\{7\frac{13}{15}\right\}$       B)  $\left\{-1\frac{8}{9}\right\}$   
\*C)  $\left\{\frac{1}{19}\right\}$       D)  $\left\{8\frac{5}{7}\right\}$

2)  $\frac{19}{13}x = \frac{551}{91}$

- A)  $\left\{8\frac{4}{9}\right\}$       B)  $\left\{8\frac{11}{15}\right\}$   
C)  $\{-1\}$       \*D)  $\left\{4\frac{1}{7}\right\}$

3)  $\frac{v}{3} = \frac{1}{3}$

- A)  $\left\{\frac{1}{9}\right\}$       \*B)  $\{1\}$   
C)  $\left\{-2\frac{2}{3}\right\}$       D)  $\left\{3\frac{1}{3}\right\}$

4)  $-2n = -34$

- \*A)  $\{17\}$       B)  $\{68\}$   
C)  $\left\{-33\frac{1}{2}\right\}$       D)  $\left\{-34\frac{1}{2}\right\}$

5)  $a + 3\frac{6}{11} = 4\frac{47}{66}$

- A)  $\left\{-\frac{5}{6}\right\}$       \*B)  $\left\{1\frac{1}{6}\right\}$   
C)  $\left\{-\frac{7}{11}\right\}$       D)  $\left\{-2\frac{7}{20}\right\}$

6)  $\frac{17n}{93} = \frac{391}{1116}$

- A)  $\left\{5\frac{7}{8}\right\}$       B)  $\left\{2\frac{5}{12}\right\}$   
\*C)  $\left\{1\frac{11}{12}\right\}$       D)  $\{-15\}$

7)  $\frac{7x}{58} = -\frac{287}{754}$

- A)  $\left\{-1\frac{14}{17}\right\}$       \*B)  $\left\{-3\frac{2}{13}\right\}$   
C)  $\left\{\frac{1}{5}\right\}$       D)  $\left\{-\frac{1}{2}\right\}$

8)  $-2\frac{211}{234} = x - 2\frac{11}{13}$

- \*A)  $\left\{-\frac{1}{18}\right\}$       B)  $\left\{-\frac{1}{3}\right\}$   
C)  $\left\{-2\frac{15}{16}\right\}$       D)  $\left\{6\frac{8}{17}\right\}$

9)  $\frac{112}{135} = \frac{16a}{171}$

- \*A)  $\left\{8\frac{13}{15}\right\}$       B)  $\left\{3\frac{13}{15}\right\}$   
C)  $\left\{8\frac{13}{16}\right\}$       D)  $\left\{6\frac{1}{10}\right\}$

10)  $\frac{195}{19} = n + 8\frac{8}{19}$

- A)  $\left\{1\frac{5}{12}\right\}$       \*B)  $\left\{1\frac{16}{19}\right\}$   
C)  $\left\{8\frac{4}{9}\right\}$       D)  $\left\{1\frac{7}{32}\right\}$

Name:

Grade:

Date:

**Solve each equation.**

1)  $\frac{7}{12}x = \frac{35}{51}$

- A)  $\left\{\frac{1}{9}\right\}$       B)  $\left\{-\frac{13}{15}\right\}$   
C)  $\left\{1\frac{3}{17}\right\}$       D)  $\{1\}$

2)  $6 = 2 - x$

- A)  $\{3\}$       B)  $\{-4\}$   
C)  $\{8\}$       D)  $\{4\}$

3)  $x + \left(-2\frac{2}{15}\right) = -\frac{467}{90}$

- A)  $\left\{4\frac{1}{4}\right\}$       B)  $\left\{-3\frac{1}{18}\right\}$   
C)  $\left\{-\frac{1}{2}\right\}$       D)  $\left\{\frac{14}{15}\right\}$

4)  $\frac{14x}{41} = 1\frac{29}{328}$

- A)  $\left\{-\frac{8}{9}\right\}$       B)  $\left\{8\frac{5}{6}\right\}$   
C)  $\left\{10\frac{17}{18}\right\}$       D)  $\left\{3\frac{3}{16}\right\}$

5)  $\frac{33}{8} = n + 6\frac{1}{8}$

- A)  $\{-2\}$       B)  $\left\{10\frac{1}{4}\right\}$   
C)  $\left\{-2\frac{17}{20}\right\}$       D)  $\left\{\frac{33}{49}\right\}$

6)  $-\frac{1669}{132} = x - 10\frac{11}{12}$

- A)  $\left\{10\frac{2}{7}\right\}$       B)  $\left\{-1\frac{8}{11}\right\}$   
C)  $\left\{12\frac{4}{9}\right\}$       D)  $\left\{8\frac{5}{18}\right\}$

7)  $\frac{73}{30} = p - 5\frac{13}{20}$

- A)  $\left\{-1\frac{9}{10}\right\}$       B)  $\left\{8\frac{1}{12}\right\}$   
C)  $\left\{1\frac{15}{19}\right\}$       D)  $\left\{7\frac{5}{11}\right\}$

8)  $-\frac{4}{9} = p + (-2)$

- A)  $\left\{\frac{8}{9}\right\}$       B)  $\left\{-2\frac{4}{9}\right\}$   
C)  $\left\{1\frac{5}{9}\right\}$       D)  $\left\{\frac{2}{9}\right\}$

9)  $\frac{4m}{15} = \frac{36}{13}$

- A)  $\left\{\frac{48}{65}\right\}$       B)  $\left\{10\frac{5}{13}\right\}$   
C)  $\left\{-\frac{51}{52}\right\}$       D)  $\left\{-12\frac{2}{3}\right\}$

10)  $\frac{3n}{7} = -\frac{6}{7}$

- A)  $\left\{1\frac{10}{21}\right\}$       B)  $\left\{-3\frac{4}{21}\right\}$   
C)  $\left\{-\frac{18}{49}\right\}$       D)  $\{-2\}$

Name:

Grade:

Date:

Solve each equation.

1)  $\frac{7}{12}x = \frac{35}{51}$

A)  $\left\{\frac{1}{9}\right\}$       B)  $\left\{-\frac{13}{15}\right\}$

\*C)  $\left\{1\frac{3}{17}\right\}$       D)  $\{1\}$

2)  $6 = 2 - x$

A)  $\{3\}$       \*B)  $\{-4\}$

C)  $\{8\}$       D)  $\{4\}$

3)  $x + \left(-2\frac{2}{15}\right) = -\frac{467}{90}$

A)  $\left\{4\frac{1}{4}\right\}$       \*B)  $\left\{-3\frac{1}{18}\right\}$

C)  $\left\{-\frac{1}{2}\right\}$       D)  $\left\{\frac{14}{15}\right\}$

4)  $\frac{14x}{41} = 1\frac{29}{328}$

A)  $\left\{-\frac{8}{9}\right\}$       B)  $\left\{8\frac{5}{6}\right\}$

C)  $\left\{10\frac{17}{18}\right\}$       \*D)  $\left\{3\frac{3}{16}\right\}$

5)  $\frac{33}{8} = n + 6\frac{1}{8}$

\*A)  $\{-2\}$       B)  $\left\{10\frac{1}{4}\right\}$

C)  $\left\{-2\frac{17}{20}\right\}$       D)  $\left\{\frac{33}{49}\right\}$

6)  $-\frac{1669}{132} = x - 10\frac{11}{12}$

A)  $\left\{10\frac{2}{7}\right\}$       \*B)  $\left\{-1\frac{8}{11}\right\}$

C)  $\left\{12\frac{4}{9}\right\}$       D)  $\left\{8\frac{5}{18}\right\}$

7)  $\frac{73}{30} = p - 5\frac{13}{20}$

A)  $\left\{-1\frac{9}{10}\right\}$       \*B)  $\left\{8\frac{1}{12}\right\}$

C)  $\left\{1\frac{15}{19}\right\}$       D)  $\left\{7\frac{5}{11}\right\}$

8)  $-\frac{4}{9} = p + (-2)$

A)  $\left\{\frac{8}{9}\right\}$       B)  $\left\{-2\frac{4}{9}\right\}$

\*C)  $\left\{1\frac{5}{9}\right\}$       D)  $\left\{\frac{2}{9}\right\}$

9)  $\frac{4m}{15} = \frac{36}{13}$

A)  $\left\{\frac{48}{65}\right\}$       \*B)  $\left\{10\frac{5}{13}\right\}$

C)  $\left\{-\frac{51}{52}\right\}$       D)  $\left\{-12\frac{2}{3}\right\}$

10)  $\frac{3n}{7} = -\frac{6}{7}$

A)  $\left\{1\frac{10}{21}\right\}$       B)  $\left\{-3\frac{4}{21}\right\}$

C)  $\left\{-\frac{18}{49}\right\}$       \*D)  $\{-2\}$



Name:

Grade:

Date:

**Solve each equation.**

1)  $a - \frac{7}{8} = \frac{351}{40}$

- A)  $\left\{-1\frac{5}{12}\right\}$       B)  $\left\{7\frac{9}{10}\right\}$   
C)  $\left\{6\frac{3}{10}\right\}$       D)  $\left\{9\frac{13}{20}\right\}$

2)  $\frac{9}{10}a = \frac{9}{14}$

- A)  $\left\{-\frac{5}{7}\right\}$       B)  $\left\{1\frac{5}{13}\right\}$   
C)  $\left\{\frac{5}{7}\right\}$       D)  $\left\{9\frac{14}{19}\right\}$

3)  $-\frac{9}{11}r = -\frac{81}{10}$

- A)  $\left\{-1\frac{4}{15}\right\}$       B)  $\left\{-4\frac{13}{20}\right\}$   
C)  $\left\{1\frac{4}{5}\right\}$       D)  $\left\{9\frac{9}{10}\right\}$

4)  $\frac{18x}{19} = -\frac{12}{19}$

- A)  $\left\{-\frac{2}{3}\right\}$       B)  $\left\{9\frac{1}{12}\right\}$   
C)  $\left\{6\frac{3}{7}\right\}$       D)  $\left\{\frac{1}{3}\right\}$

5)  $-\frac{10}{9} = -2 + x$

- A)  $\left\{-3\frac{1}{9}\right\}$       B)  $\left\{\frac{5}{9}\right\}$   
C)  $\left\{2\frac{2}{9}\right\}$       D)  $\left\{\frac{8}{9}\right\}$

6)  $-\frac{23}{135} = 1\frac{5}{18}r$

- A)  $\left\{8\frac{2}{3}\right\}$       B)  $\left\{-\frac{2}{15}\right\}$   
C)  $\left\{8\frac{3}{4}\right\}$       D)  $\left\{\frac{1}{3}\right\}$

7)  $-\frac{158}{27} = 10\frac{8}{15}m$

- A)  $\left\{-\frac{1}{5}\right\}$       B)  $\left\{\frac{17}{19}\right\}$   
C)  $\left\{1\frac{1}{4}\right\}$       D)  $\left\{-\frac{5}{9}\right\}$

8)  $8\frac{5}{21} = 9\frac{2}{3} + x$

- A)  $\{-18\}$       B)  $\left\{-1\frac{3}{7}\right\}$   
C)  $\{2\}$       D)  $\left\{1\frac{1}{3}\right\}$

9)  $6\frac{3}{14} - n = \frac{191}{42}$

- A)  $\left\{1\frac{2}{3}\right\}$       B)  $\left\{-1\frac{2}{3}\right\}$   
C)  $\left\{7\frac{4}{9}\right\}$       D)  $\left\{5\frac{3}{14}\right\}$

10)  $7\frac{5}{8} = n - \left(-1\frac{5}{8}\right)$

- A)  $\left\{\frac{2}{15}\right\}$       B)  $\{6\}$   
C)  $\left\{9\frac{1}{4}\right\}$       D)  $\left\{-4\frac{9}{13}\right\}$

Name:

Grade:

Date:

**Solve each equation.**

1)  $a - \frac{7}{8} = \frac{351}{40}$

- A)  $\left\{-1\frac{5}{12}\right\}$       B)  $\left\{7\frac{9}{10}\right\}$   
C)  $\left\{6\frac{3}{10}\right\}$       \*D)  $\left\{9\frac{13}{20}\right\}$

2)  $\frac{9}{10}a = \frac{9}{14}$

- A)  $\left\{-\frac{5}{7}\right\}$       B)  $\left\{1\frac{5}{13}\right\}$   
\*C)  $\left\{\frac{5}{7}\right\}$       D)  $\left\{9\frac{14}{19}\right\}$

3)  $-\frac{9}{11}r = -\frac{81}{10}$

- A)  $\left\{-1\frac{4}{15}\right\}$       B)  $\left\{-4\frac{13}{20}\right\}$   
C)  $\left\{1\frac{4}{5}\right\}$       \*D)  $\left\{9\frac{9}{10}\right\}$

4)  $\frac{18x}{19} = -\frac{12}{19}$

- \*A)  $\left\{-\frac{2}{3}\right\}$       B)  $\left\{9\frac{1}{12}\right\}$   
C)  $\left\{6\frac{3}{7}\right\}$       D)  $\left\{\frac{1}{3}\right\}$

5)  $-\frac{10}{9} = -2 + x$

- A)  $\left\{-3\frac{1}{9}\right\}$       B)  $\left\{\frac{5}{9}\right\}$   
C)  $\left\{2\frac{2}{9}\right\}$       \*D)  $\left\{\frac{8}{9}\right\}$

6)  $-\frac{23}{135} = 1\frac{5}{18}r$

- A)  $\left\{8\frac{2}{3}\right\}$       \*B)  $\left\{-\frac{2}{15}\right\}$   
C)  $\left\{8\frac{3}{4}\right\}$       D)  $\left\{\frac{1}{3}\right\}$

7)  $-\frac{158}{27} = 10\frac{8}{15}m$

- A)  $\left\{-\frac{1}{5}\right\}$       B)  $\left\{\frac{17}{19}\right\}$   
C)  $\left\{1\frac{1}{4}\right\}$       \*D)  $\left\{-\frac{5}{9}\right\}$

8)  $8\frac{5}{21} = 9\frac{2}{3} + x$

- A)  $\{-18\}$       \*B)  $\left\{-1\frac{3}{7}\right\}$   
C)  $\{2\}$       D)  $\left\{1\frac{1}{3}\right\}$

9)  $6\frac{3}{14} - n = \frac{191}{42}$

- \*A)  $\left\{1\frac{2}{3}\right\}$       B)  $\left\{-1\frac{2}{3}\right\}$   
C)  $\left\{7\frac{4}{9}\right\}$       D)  $\left\{5\frac{3}{14}\right\}$

10)  $7\frac{5}{8} = n - \left(-1\frac{5}{8}\right)$

- A)  $\left\{\frac{2}{15}\right\}$       \*B)  $\{6\}$   
C)  $\left\{9\frac{1}{4}\right\}$       D)  $\left\{-4\frac{9}{13}\right\}$