

## Algebra Review

**Solve each equation.**

1)  $8 = 3a + 4 - 2$

2)  $6p + 1 + 6p = 13$

3)  $13 = 6p + 6 + p$

4)  $5 = 2m - 6 - 1$

5)  $31 - 5x = -8(x - 2)$

6)  $-6(r + 2) = -7r - 14$

7)  $30 - 7m = -6(m - 6)$

8)  $-(-6k - 5) + 4k = -10 + 5k$

**Solve each proportion.**

9)  $\frac{12}{n} = \frac{4}{7}$

10)  $\frac{6}{7} = -\frac{11}{n}$

11)  $\frac{10}{x} = \frac{8}{11}$

12)  $\frac{3}{5} = -\frac{x}{3}$

13)  $\frac{m - 5}{m - 7} = -\frac{12}{3}$

14)  $\frac{r - 11}{3} = \frac{r + 6}{2}$

15)  $\frac{2}{11} = \frac{r - 11}{r + 7}$

16)  $\frac{m + 3}{6} = \frac{m - 5}{10}$

# Algebra Review

**Solve each equation.**

1)  $8 = 3a + 4 - 2$

 $\{2\}$ 

2)  $6p + 1 + 6p = 13$

 $\{1\}$ 

3)  $13 = 6p + 6 + p$

 $\{1\}$ 

4)  $5 = 2m - 6 - 1$

 $\{6\}$ 

5)  $31 - 5x = -8(x - 2)$

 $\{-5\}$ 

6)  $-6(r + 2) = -7r - 14$

 $\{-2\}$ 

7)  $30 - 7m = -6(m - 6)$

 $\{-6\}$ 

8)  $-(-6k - 5) + 4k = -10 + 5k$

 $\{-3\}$ 

**Solve each proportion.**

9)  $\frac{12}{n} = \frac{4}{7}$

 $\{21\}$ 

10)  $\frac{6}{7} = -\frac{11}{n}$

 $\{-12.83\}$ 

11)  $\frac{10}{x} = \frac{8}{11}$

 $\{13.75\}$ 

12)  $\frac{3}{5} = -\frac{x}{3}$

 $\{-1.8\}$ 

13)  $\frac{m - 5}{m - 7} = -\frac{12}{3}$

 $\{6.6\}$ 

14)  $\frac{r - 11}{3} = \frac{r + 6}{2}$

 $\{-40\}$ 

15)  $\frac{2}{11} = \frac{r - 11}{r + 7}$

 $\{15\}$ 

16)  $\frac{m + 3}{6} = \frac{m - 5}{10}$

 $\{-15\}$