

**Two-Step Equations: Integers**

Sheet 2

Solve each equation. Verify your answer.

1)  $\frac{9}{y+8} = 1$

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

3)  $-3p + 16 = 7$

4)  $8z - 6 = 24$

5)  $18 = 2a - 2$

6)  $\frac{r+28}{4} = 11$

7)  $2(x+3) = 18$

8)  $7w - 14 = 8w + 10$

9)  $-5k - 12 = k$

10)  $8 + s = 3s$

**Answer Key****Two-Step Equations: Integers**

Sheet 2

Solve each equation. Verify your answer.

1)  $\frac{9}{y+8} = 1$

**$y = 1$**

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

**$m = -36$**

3)  $-3p + 16 = 7$

**$p = 3$**

4)  $8z - 6 = 24$

**$z = \frac{15}{4}$  or  $3\frac{3}{4}$**

5)  $18 = 2a - 2$

**$a = 10$**

6)  $\frac{r+28}{4} = 11$

**$r = 16$**

7)  $2(x+3) = 18$

**$x = 6$**

8)  $7w - 14 = 8w + 10$

**$w = -24$**

9)  $-5k - 12 = k$

**$k = -2$**

10)  $8 + s = 3s$

**$s = 4$**