

**Solve each equation.**

1)  $\frac{v}{16} = -4$

2)  $-18n = -36$

3)  $13 + n = 16$

4)  $7b = -7$

5)  $-12 = -4(1 + r)$

6)  $1 = \frac{n}{3} - 2$

7)  $\frac{n}{2} + 7 = 4$

8)  $6 = 8 + \frac{r}{5}$

9)  $-18 = 3m + 6m$

10)  $6 + 7a + 8a = 6$

$$11) -68 = -3(5 - 4v) - 5$$

$$12) 56 = 4(2 - 3n)$$

$$13) |v| = 3$$

$$14) |x| = 10$$

$$15) \frac{|k - 10|}{8} = 2$$

$$16) 4|2x + 8| = 24$$

**Solve each equation for the indicated variable.**

$$17) z = a - m, \text{ for } a$$

$$18) g = a + c, \text{ for } a$$

$$19) g = 20a, \text{ for } a$$

$$20) 2a + k = 6, \text{ for } a$$