

**Solve each equation.**

1)  $r - 19 = -22$

2)  $-10n = 50$

3)  $\frac{k}{20} = -\frac{19}{20}$

4)  $9 = \frac{v}{15}$

5)  $\frac{b}{4} = 7$

6)  $-18n = 144$

7)  $47 = -4r - 5$

8)  $5 = 3 + \frac{n}{5}$

9)  $-(-1 + b) = -13$

10)  $\frac{k}{9} - 1 = -2$

11)  $2 = -2(v - 6)$

12)  $33 = -2 - 5b$

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

13)  $mx = p - n$ , for  $x$

14)  $kx = wv$ , for  $x$

15)  $\frac{k}{x} = v + w$ , for  $x$

16)  $xm = p + n$ , for  $x$

17)  $u = y + k + x$ , for  $x$

18)  $am = n - p$ , for  $a$