

Pre-test

Date _____ Period _____

Solve each equation.

1) $-16 = a - 17$

2) $-8x = -160$

3) $n - 20 = -11$

4) $-27 = -7 + m$

5) $r + 8 = 12$

6) $25 = 20 + x$

7) $x + 3 = 0$

8) $-12 = 17 + k$

9) $-15n = -270$

$$10) n + 27 = 7$$

Solve each proportion.

$$11) \frac{4}{2} = -\frac{a}{3}$$

$$12) \frac{9}{x} = \frac{11}{6}$$

$$13) \frac{3}{11} = \frac{b}{3}$$

$$14) \frac{8}{2} = \frac{3}{n}$$

$$15) \frac{12m}{4} = \frac{6}{11}$$

Solve each equation.

$$16) 10 = 9 + \frac{a}{14}$$

$$17) \frac{b+10}{4} = 3$$

$$18) \frac{x+1}{3} = 7$$

$$19) -53 = -9 - 4b$$

$$20) 6x - 10 = 20$$

$$21) 4(1+x) = 8 + 5x$$

$$22) -4(n-6) = 14 - 6n$$

$$23) 7(1-8v) + 1 = 8 + 4v$$

$$24) 5(p+5) = 31 + 8p$$

$$25) 26 - 7k = 5(-8 - 8k)$$