

Two-Step Equations - NOTES

Solve each equation.

1) $9x - 10 = -19$
 $\quad +10 \quad +10$

$$\frac{9x}{9} = \frac{-9}{9}$$

$$x = -1$$

2) $12 = -4n + 4$
 $\quad -4 \quad -4$

$$\frac{8}{-4} = \frac{-4n}{-4}$$

$$-2 = n$$

3) $10x - 2 = 138$
 $\quad +2 \quad +2$

$$\frac{10x}{10} = \frac{140}{10}$$

$$x = 14$$

4) $4 = -5x - 1$
 $\quad +1 \quad +1$

$$\frac{5}{-5} = \frac{-5x}{-5}$$

$$-1 = x$$

5) $80 = 6n - 10$
 $\quad +10 \quad +10$

$$\frac{90}{6} = \frac{6n}{6}$$

$$15 = n$$

6) $-n + 2 = 14$
 $\quad -2 \quad -2$

$$\frac{-n}{-1} = \frac{12}{-1}$$

$$n = -12$$

7) $6 + 3p = 66$
 $\quad -6 \quad -6$

$$\frac{3p}{3} = \frac{60}{3}$$

$$p = 20$$

8) $-28 = -2x - 8$
 $\quad +8 \quad +8$

$$\frac{-20}{-2} = \frac{-2x}{-2}$$

$$10 = x$$

9) $-6 - b = -20$
 $\quad +6 \quad +6$

$$\frac{-b}{-1} = \frac{-14}{-1}$$

$$b = 14$$

10) $-4 - 8x = -156$
 $\quad +4 \quad +4$

$$\frac{-8x}{-8} = \frac{-152}{-8}$$

$$x = 19$$