

NAME _____ HW # 1

Directions: Show all work. Box your final answer and check your solution.

$$1. \begin{array}{r} x - 5 = -10 \\ +5 \quad +5 \\ \hline \end{array}$$

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

$$2. \begin{array}{r} x + 5 = 18 \\ -5 \quad -5 \\ \hline \end{array}$$

$$\boxed{x = 13}$$

Check

$$x + 5 = 18$$

$$13 + 5 = 18$$

$$18 = 18 \checkmark$$

$$3. \frac{x}{7} = 10(7)$$

$$\boxed{x = 70}$$

$$4. \frac{3a}{3} = \frac{-15}{3}$$

$$\boxed{a = -5}$$

Check

$$3a = -15$$

$$3(-5) = -15$$

$$-15 = -15 \checkmark$$

$$5. \begin{array}{r} -20 = -5p \\ -5 \quad -5 \\ \hline \end{array}$$

$$\boxed{4 = p}$$

$$6. \begin{array}{r} y + 1.3 = 4.2 \\ -1.3 \quad -1.3 \\ \hline \end{array}$$

$$\boxed{y = 2.9}$$

Check

$$y + 1.3 = 4.2$$

$$2.9 + 1.3 = 4.2$$

$$4.2 = 4.2 \checkmark$$

$$7. \begin{array}{r} 0.4x = -16 \\ 0.4 \quad 0.4 \\ \hline \end{array}$$

$$\boxed{x = -40}$$

$$\begin{array}{r} 0.4 \overline{) 16.0} \\ \underline{40} \\ 70 \\ \underline{40} \\ 30 \\ \underline{30} \\ 0 \end{array}$$