

Solving Equations

. Solving for a variable using
reverse order of operations

Ex: $x + 12 = 10$
 $\quad \quad \quad -12 \quad \quad -12$

$$x = -2$$

Ex: $\frac{x}{-7} = 9$
 $\quad \quad \quad -7 \quad \quad -7$

$$x = -63$$

Ex: $\cancel{3} \cdot \frac{2x+1}{\cancel{3}} = 7 \cdot 3$

$$\begin{array}{r} 2x+1 \\ \hline -1 \end{array} = 21$$

$$\begin{array}{r} 2x \\ \hline 2 \end{array} = \frac{20}{2}$$

$x = 10$

Ex: $\cancel{3} \cdot (4x+12) = \frac{72}{\cancel{3}}$

$$4x + 12 = 24$$

$$x = 3$$

$$\text{Ex: } \frac{x+1}{17} - 42 = 8$$

PG 4 # 11-22, 42-50

