Name:

Date:

Solving 2-Step Equations

Solve for x

$$2x + 5 = 17$$

$$-5 -5$$

$$\frac{8x}{8} = \frac{12}{2}$$

$$x = 6$$

Solve for x

$$\frac{x}{3} - 6 = 4$$

$$+6 +6$$

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

$$x = 30$$

Solve for x

$$20 = 8 + 4x$$

$$-8 -8$$

$$\frac{12}{4} = \frac{4x}{4}$$

$$3 = x \text{ or } x = 3$$

Solve for x

$$\frac{2(x+9)}{2} = \frac{24}{2}$$

$$x+9=12$$

$$-9=9$$

$$x=3$$

Solve for x

$$\frac{15}{3} = \frac{3(x-6)}{3}$$

$$5 = x-6$$

$$+6 +6$$

$$11 = x \text{ or } (x = 11)$$

Solve for x

$$(5)$$
 $\frac{x+3}{5} = 4(5)$
 $x + 3 = 20$
 -3 -3
 $x = 17$

7 Solve for x

$$5 = 9 - 2x$$

$$+2x + 2x$$

$$2x + 5 = 9$$

$$-5 - 5$$

$$\frac{8x}{8} = \frac{4}{2}$$

$$x = 2$$

Solve for x

$$(x-2)\frac{28}{x-2} = 4(x-2)$$

$$\frac{28}{4} = \frac{4(x-2)}{4}$$

$$7 = x-2$$

$$+2$$

$$+2$$

$$x = 9$$