9.3 Warm Up

1. Solve each inequality.

a)
$$-3x > 39$$

a) -3x > 39 When dividing or multiplying by a negative number, reverse the inequality sign.

- **b)** $\frac{y}{7} \le 20$
- 2. Solve each equation. Verify your answer.

$$-5x - 7 = 18$$

$$-5x = \underline{\qquad}$$

$$-5x = \underline{\qquad}$$

Check:

Left Side	Right Side
-5x - 7	18

b) $\frac{x}{2} + 5 = 11$

Subtract 5.

Multiply by 2.

Check:

Left Side	Right Side

Use the distributive property to solve each equation.

a)
$$6(x+3) = 30$$

$$6x + 6(3) = 30$$

$$6x + \underline{\hspace{1cm}} = 30$$

