

Chapter 7 Test Review

Solve each equation.

$$198 = -16x + 6$$

- 6 - 6

$$\frac{192}{-16} = \frac{-16x}{-16}$$

$$x = -12$$

Chapter 7 Test Review

Solve each equation.

$$-13x - 6 = 59$$

+ 6 + 6

$$\frac{-13x}{-13} = \frac{65}{-13}$$

$$x = -5$$



Chapter 7 Test Review

Solve each equation.

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

$$-3 = 3x - 6x + 18$$

$$-3 = -3x + 18$$

$$\frac{-21}{-3} = \frac{-3x}{-3} \quad \boxed{x = 7}$$

Chapter 7 Test Review

Solve each equation.

$$7x + 2(5x - 16) = 70$$

$$7x + 10x - 32 = 70$$

$$17x - 32 = 70$$

$$\frac{17x}{17} = \frac{102}{17}$$

$$\boxed{x = 6}$$

Chapter 7 Test Review

Solve each inequality.

$$\boxed{4d} + 7 \leq 23$$

$-7 \quad -7$

$$\frac{4d}{4} \leq \frac{16}{4}$$

$$\boxed{d \leq 4}$$

Chapter 7 Test Review

Solve each inequality.

$$\textcircled{2}(j - 4) \geq -6$$

$$\boxed{2j} - 8 \geq -6$$

$+8 \quad +8$

$$\frac{2j}{2} \geq \frac{2}{2}$$

$$\boxed{j \geq 1}$$



Chapter 7 Test Review

Solve each inequality.

$$-3 > 3(5x - 16)$$

$$\begin{array}{r} -3 > 15x - 48 \\ +48 \quad \quad +48 \end{array}$$

$$\frac{45}{15} > \frac{15x}{15}$$

$$x < 3$$

$$3 > x$$

Chapter 7 Test Review

Solve each inequality.

$$-3(v - 3) < 5 - 4v$$

$$\begin{array}{r} -3v + 9 < 5 - 4v \\ +4v \quad \quad +4v \end{array}$$

$$\begin{array}{r} 1v + 9 < 5 \\ -9 \quad -9 \end{array}$$

$$v < -4$$

