

CHAPTER 7 TEST REVIEW

Solve each equation.

$$\boxed{3m} + 8 = 71$$

$$-8 \quad -8$$

$$\frac{3m}{3} = \frac{63}{3}$$

$$\boxed{m = 21}$$

CHAPTER 7 TEST REVIEW

Solve each equation.

$$\boxed{3y} - 14 = 37$$

$$+14 \quad +14$$

$$\frac{3y}{3} = \frac{51}{3}$$

$$\boxed{y = 17}$$

CHAPTER 7 TEST REVIEW

Solve each equation.

$$\boxed{-2t} - 1.5 = 1.3$$
$$+1.5 \quad +1.5$$

$$\frac{-2t}{-2} = \frac{2.8}{-2}$$

$$\boxed{t = -1.4}$$

CHAPTER 7 TEST REVIEW

Solve each equation.

$$\boxed{\frac{y}{5}} + 3 = 6$$
$$-3 \quad -3$$

$$5 \cdot \frac{\boxed{y}}{5} = 3 \cdot 5$$

$$\boxed{y = 15}$$

CHAPTER 7 TEST REVIEW

Solve each equation.

$$7 \cdot \frac{2w+3}{7} = 5 \cdot 7$$

$$2w+3 = 35$$

-3 -3

$$\frac{2w}{2} = \frac{32}{2}$$

$$w = 16$$

CHAPTER 7 TEST REVIEW

Solve each equation.

$$5x - 4 = 4x + 3$$

-4x -4x

$$1x - 4 = 3$$

+4 +4

$$\frac{1x}{1} = \frac{7}{1}$$

$$x = 7$$

CHAPTER 7 TEST REVIEW

Solve each equation.

$$7t + 6 = 3t - 14$$

$-3t \quad -3t$

$$4t + 6 = -14$$

$-6 \quad -6$

$$4t = -20$$

$\frac{4}{4} \quad \frac{4}{4}$

$$t = -5$$

CHAPTER 7 TEST REVIEW

Solve each equation.

$$3(x - 5) = -6$$

$$3x - 15 = -6$$

$+15 \quad +15$

$$3x = 9$$

$\frac{3}{3} \quad \frac{3}{3}$

$$x = 3$$

CHAPTER 7 TEST REVIEW

Solve each equation.

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

$$\begin{array}{r} 3x - 15 = 3x - 15 \\ -3x \quad \quad -3x \end{array}$$

$$-15 = -15$$

ALL REAL NUMBERS

CHAPTER 7 TEST REVIEW

Solve each equation.

$$3(x + 4) = 3(x - 8)$$

$$\begin{array}{r} 3x + 12 = 3x - 24 \\ -3x \quad \quad -3x \end{array}$$

$$12 \neq -24$$

NO SOLUTION

CHAPTER 7 TEST REVIEW

Solve each equation.

$$-4(y + 2) + 7 = 5 + 2(y + 8)$$

$$-4y - 8 + 7 = 5 + 2y + 16$$

$$-4y - 1 = 21 + 2y$$

$$-1 = 21 + 6y$$

$$-22 = 6y$$

$$y = \frac{-22 \div 2}{6 \div 2} = \frac{-11}{3}$$

$$y = \frac{-11}{3} \text{ or } -3\frac{2}{3}$$

CHAPTER 7 TEST REVIEW

Solve each equation.

$$7 - 1(m - 4) = 36$$

$$7 - 1m + 4 = 36$$

$$-1m + 11 = 36$$

$$-1m = 25$$

$$m = -25$$