NAME _____ DATE _____ PERIOD _____

3 Chapter 3 Quiz 3

SCORE _____

(Lessons 3-4 and 3-5)

1. Write an equation in point-slope form of the line with slope $-\frac{1}{3}$ that contains (3, 8).

1. y= -x/3 + 9

2. Write an equation in slope-intercept form of the line with slope $\frac{5}{3}$ and y-intercept of -2.

2. y= 5x/3 - 2

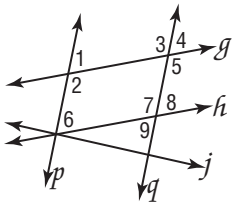
3. Write an equation in slope-intercept form of the line that contains $(-1, 7)$ and $(3, -9)$.

3. _____

4. A bottled water company charges \$8 per month for a water cooler and \$5 per bottle b of water. Write an equation that represents the total cost C for monthly water service.

4. C = 5b + 8

Given the following information, determine which lines, if any, are parallel. State the postulate or theorem that justifies your answer.



5. $\angle 1 \cong \angle 6$

5. conv. corresponding

6. $\angle 2 \cong \angle 3$

6. conv. alt. int.

7. $\angle 4 \cong \angle 9$

7. conv. alt. ext.

8. $m\angle 7 + m\angle 6 = 180$

8. conv. cons. int.

9. Given $g \parallel h$ and $m\angle 8 = 64$, find $m\angle 5$.

9. 116

10. If $m\angle 2 = 5x - 17$ and $m\angle 7 = 3x + 35$, find the value of x so that $g \parallel h$.

10. _____

NAME _____ DATE _____ PERIOD _____

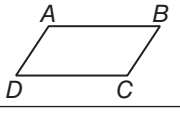
3 Chapter 3 Quiz 4

SCORE _____

(Lesson 3-6)

1. Construct the segment that represents the distance from B to $\overleftrightarrow{DC}$.

1.



2. Line ℓ Contains points (1, −3) and (0, 4). Point H has coordinates (−1, 3). Find the distance from H *to* ℓ.

2. _____

Find the distance between each pair of parallel lines.

3. $y = -8$
$y = 4$

3. 12

4. $y = -x - 9$
$y = -x - 7$

4. _____

5. What is the distance from the point $A(-1, 5)$ to the line with equation $4x - 5y = 12$?

5. _____