NAME _____ DATE _____ PERIOD _____

Chapter 4 Quiz 1

SCORE _____

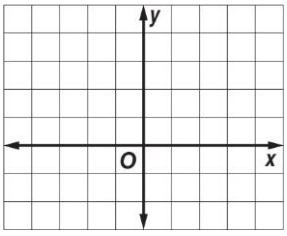
(Lesson 4-1)

1. Write an equation of the line that passes through (9, 2) and (–2, 6).

1. _____

2. Graph $4x + 3y = 12$.

2.



For Questions 3 and 4, use the following information.

Hector is walking at a constant speed. He starts a timer when he is 12 feet from his starting position. After 3 seconds, Hector is 21 feet from his starting position.

3. Write a linear equation to find the distance d of Hector from his starting position after t seconds.

3. _____

4. Estimate the distance Hector is from his starting position after 15 seconds.

4. _____

5. MULTIPLE CHOICE The table of ordered pairs shows the coordinates of the two points on the graph of a function. Which equation describes the function?

x	*y*
–2	2
4	–1

5. _____

A $y = -2x + 1$ **C** $y = -\frac{1}{2}x + 1$

B $y = \frac{1}{2}x - 1$ **D** $y = -\frac{1}{2}x - 1$?

Chapter 4 Quiz 2

SCORE _____

(Lessons 4-2 and 4-3)

1. Write an equation in point-slope form for a line that passes through (3, 6) with a slope of $-\frac{1}{3}$.

1. _____

2. Write $y - 9 = -(x + 2)$ in slope-intercept form.

2. _____

3. Write an equation in point-slope form for a horizontal line that passes through (–4, –1).

3. _____

4. Write an equation in slope-intercept form for the line that passes through (5, 3) and is parallel to $x + 3y = 6$.

4. _____

5. MULTIPLE CHOICE Line DE contains the points D (–1, –4) and E (3, 3). Line FG contains the point F (–3, 3). Which set of coordinates for point G makes the two lines perpendicular?

A (1, 7) **C** (1, 4)

B (1, 10) **D** (4, –1)

5. _____