Name _____

2-4A Lesson Master

SKILLS Objective C

1. Find the slope of the line through the two points.

   a. (3, 10.5) and (–2, –7) _____   b. (–1.2, 5.9) and (0.6, 3.2) _____

2. Carlos works an after-school job. His pay P, in dollars, is related to the number of hours h he works by the equation $P = 10.25h$. Find the rate of change and explain what it means in real life.

   _____

PROPERTIES Objective E

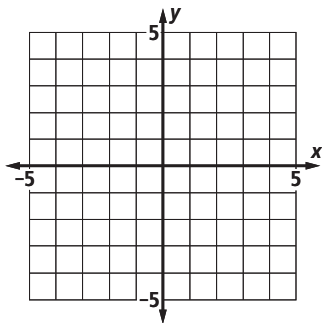In 3–5, consider the variation equation $y = kx$.

3. Give the slope of the line represented by the equation. _____

4. If $k > 0$, in which quadrants will the graph be? _____

5. How does the graph change as k decreases from –2 to –5?

   _____

REPRESENTATIONS Objective I

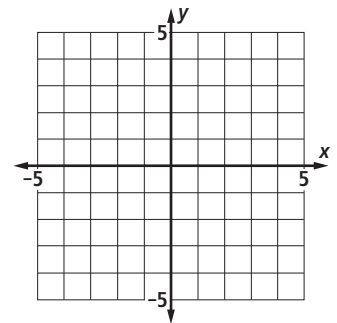In 6 and 7, complete the table of values and graph the variation equation.

6. $y = 1.5x$

x	y
–4	
–2	
0	
2	
4	

7. $y = -0.72x$

x	y
–4	
–2	
0	
2	
4	

REPRESENTATIONS Objective J

8. **Matching**   The solid bold line graphed at the right is represented by the equation $y = x$. Determine which of the dashed lines matches each of the given equations.

   a. $y = 5x$ _____   b. $y = -5x$ _____

   c. $y = \frac{1}{5}x$ _____   d. $y = -\frac{1}{5}x$ _____