

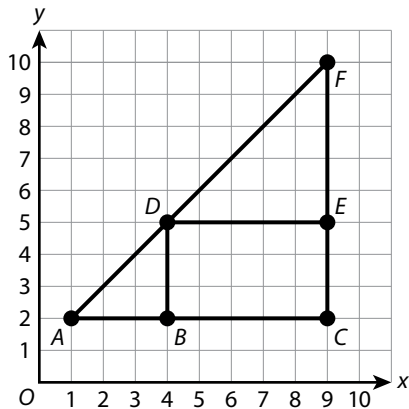
Ready® Mathematics**Lesson 12 Quiz****Solve the problems.**

- 1** What is the equation of a line that passes through the points (0, 5) and (4, 8)? Write your answer in slope-intercept form.

Show your work.

Answer: _____

- 2** In the diagram below, triangle ACF is similar to triangle ABD .

**Part A**

Between which pairs of points are the slopes the same?

Choose all that apply.

- | | |
|---------------------------|---------------------------|
| A A and B; C and E | D B and C; A and B |
| B A and B; A and C | E B and C; E and F |
| C A and D; D and F | F D and F; A and F |

Part B

The slope of line segment AD is the same as the slope of line segment AF .

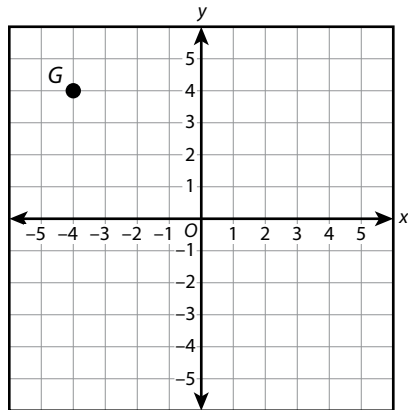
Write the name of a segment in each box of the proportion to show this.

$$\frac{\boxed{}}{AB} = \frac{CF}{\boxed{}}$$



Lesson 12 Quiz continued

- 3**
- Point
- G
- is plotted on the coordinate plane.



Roland correctly wrote the equation of a line through point G as $y = mx - 4$.

What is the value of m in Roland's equation?

- A** -4
- B** -2
- C** 2
- D** 4
- 4** The table shows values for points on the graph of a function.

Point	P	Q	R	S
x	-3	-2	-1	1
y	5	2	-1	-3

Can this function be represented by a straight line? Explain.

Show your work.

