

## Slope Review

### Short Answer

1. Find the slope of the line that passes through the points (9, 7) and (2, 9).

Slope = \_\_\_\_\_

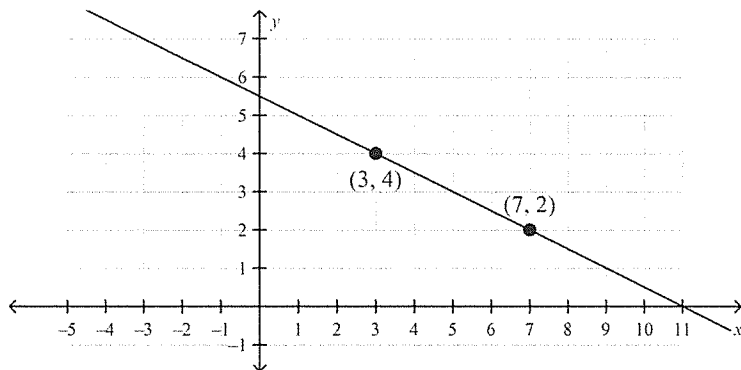
2. Find the slope of the line that passes through the points (4, 5) and (5, 8).

Slope = \_\_\_\_\_

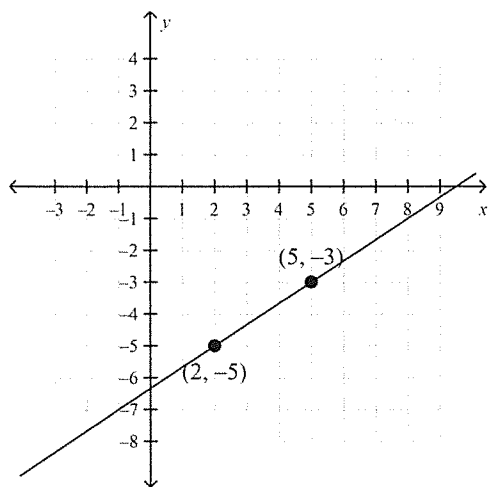
3. Find the slope of the line that passes through the points (8, 3) and (7, 6).

Slope = \_\_\_\_\_

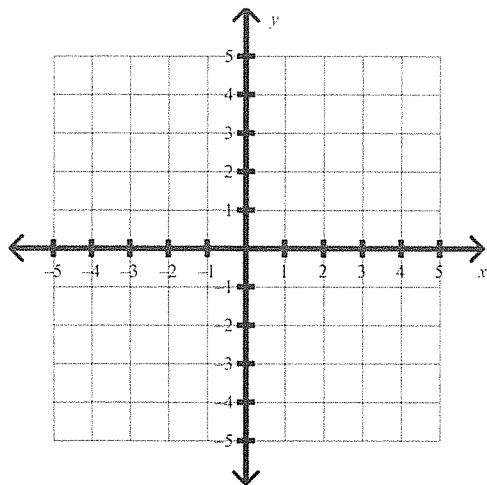
4. Find the slope of the line.  $m =$  \_\_\_\_\_



5. Find the slope of the line.  $m =$  \_\_\_\_\_



6. A plane taking off follows the path given by the equation  $y = \frac{1}{2}x + 2$ . Graph this equation.

**Other**

1. Given the equations below, describe one similarity and one difference for the functions.

Equation A:  $y = 2x + 5$

Equation B:  $y = \frac{1}{3}x$

Similarity: \_\_\_\_\_

Difference: \_\_\_\_\_

2. Rebecca wants to buy a new MP3 player. She has already saved \$10 and will earn the rest by selling necklaces for \$4 each. The equation  $y = 4x + 10$  represents her savings ( $y$ ) after necklaces ( $x$ ) sold. Explain what the slope and y-intercept represent.

Slope: \_\_\_\_\_

y-intercept: \_\_\_\_\_

\_\_\_\_\_

Name: \_\_\_\_\_

ID: A

3. Jeff and David are each reading a book. The equations below show how many pages ( $x$ ) each person read over time ( $y$ ).

Jeff:  $y = \frac{6}{5}x$       David:  $y = 1.5x$

Circle the person who read at a faster rate and give an explanation to support your choice.

**Circle one:**      Jeff                      David

Explanation:

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