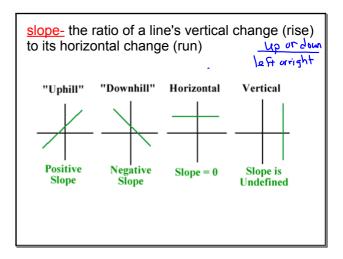


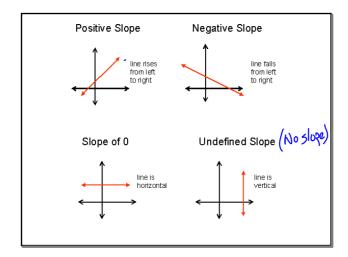
### 8.4 The Slope of a Line

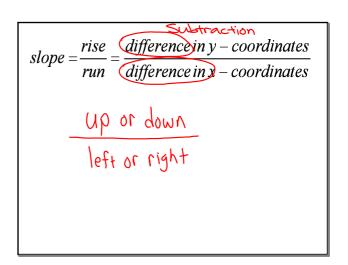
8.F

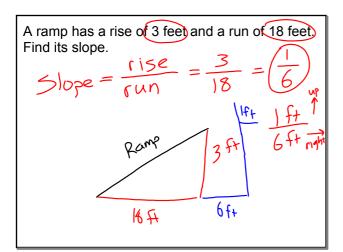
- SWBAT find and interpret slopes of lines.
- SWBAT create representations to communicate mathematical ideas.

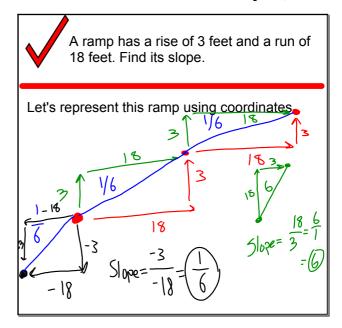
Calculators: No

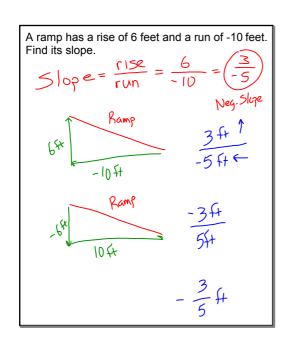


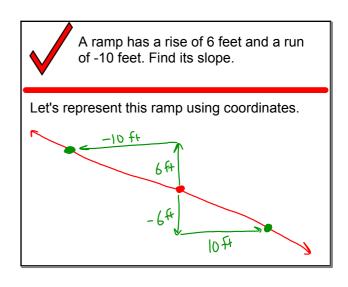


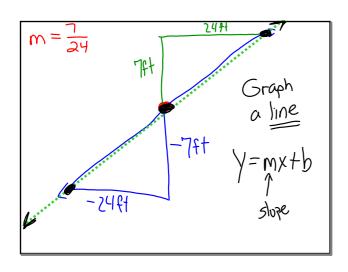


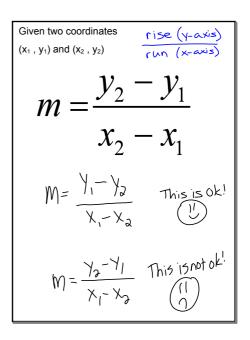












Find the slope of the line.

(0, 2) and (2, 5)

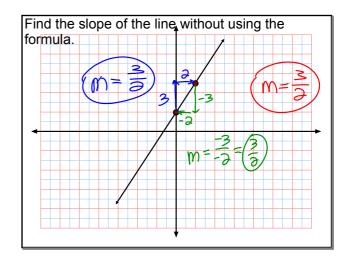
$$M = \frac{5 - \partial}{\partial - 0} = \frac{3}{2}$$

$$M = \frac{5 - \partial}{\partial - \partial} = \frac{3}{2}$$

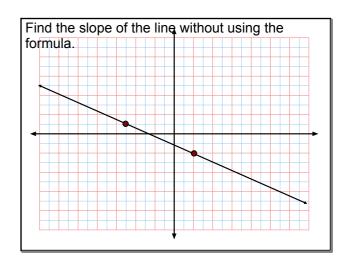
$$M = \frac{3 - 5}{2 - 2} = \frac{3}{2}$$

$$M = \frac{3 - 5}{2 - 2} = \frac{3}{2}$$

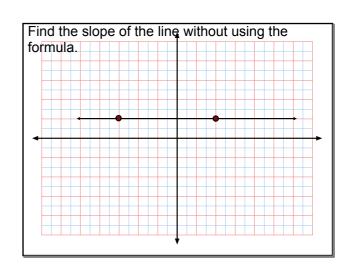
$$M = \frac{3 - 5}{2 - 2} = \frac{3}{2}$$



Find the slope of the line.

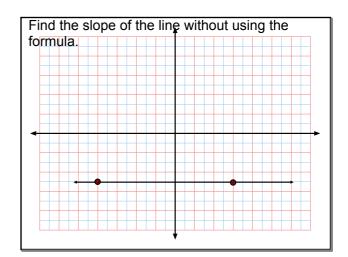


Find the slope of the line.



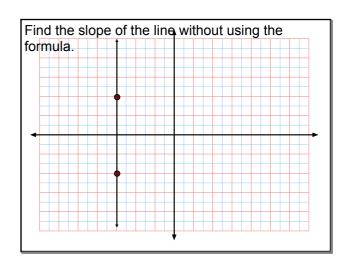
Find the slope of the line.

(-8, -5) and (6, -5)



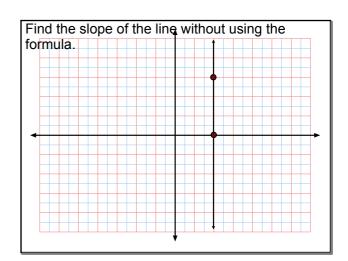
Find the slope of the line.

(-6, 4) and (-6, -4)

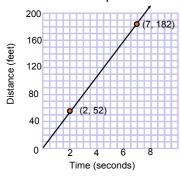


Find the slope of the line.

(4, 6) and (4, 0)



The graph shows the distance traveled by a wakeboarder as a function of time. Find the wakeboarder's speed.



## Exit Pass 8.4

- a.) What information about the wakeboarder can you obtain from the slope?
- b.) A sea monster's top speed is about 20 feet per second. Suppose you made a graph showing the distance traveled by a sea monster as a function of time. How would the graph for the sea monster compare with the graph for the wakeboarder? Explain your thinking.

"Don't blame the sea if you cannot catch a fish."

Working individually or with a partner, complete the workbook.

Workbook pg.



### **Reflection of Today's Lesson**

#### 8.4 The Slope of a Line

8.F

- · SWBAT find and interpret slopes of lines.
- SWBAT create representations to communicate mathematical ideas.

Calculators: No

# Homework

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