📙 Student Lesson

Name: _____   Date: _____

Calculating Line Slope

Learning Objective: I can calculate the slope of a line on a graph.

STEP 1: WATCH & TAKE NOTES

🎥 Visit **ilesson.co** and enter the code: **1gai**. Take good notes in the space below! ⬇️

⭐ **Key Ideas** ⭐

1. When finding slope from a graph, it's important to use points where you can identify an _____ x and an _____ y coordinate.

2. The slope of a line is _____ throughout the entire line, meaning it doesn't matter which two points you pick to calculate it.

3. The four types of slope are positive, negative, _____ , and _____ .

STEP 2: PRACTICE

Partner(s): _____

With classmates (if possible), answer the questions below. Use a separate sheet of paper if needed.

Q1. What two things do you need to understand to find slope from a graph?

Q2. Why is it important to choose points on a graph where you have an exact x and y value when calculating slope?

Q3. What are two ways to calculate slope once you have identified appropriate points on the graph?

Q4. Does it matter which two points you choose on a line to calculate the slope? Explain your answer.

Q5. What visual cue on a graph indicates whether the slope is positive or negative?

Q6. Explain the difference between a slope of zero and an undefined slope.

Q7. Which of the following represents an undefined slope?

Q8. Imagine you are walking on a flat surface. What type of slope does this represent?

Q9. Why is a vertical slope considered 'undefined'?