**Kinematics with Graphs: Graphs and Slope I**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_

**Slope = = =**

**ΔX**

**X2 – X1**

**ΔY**

**Y2 – Y1**

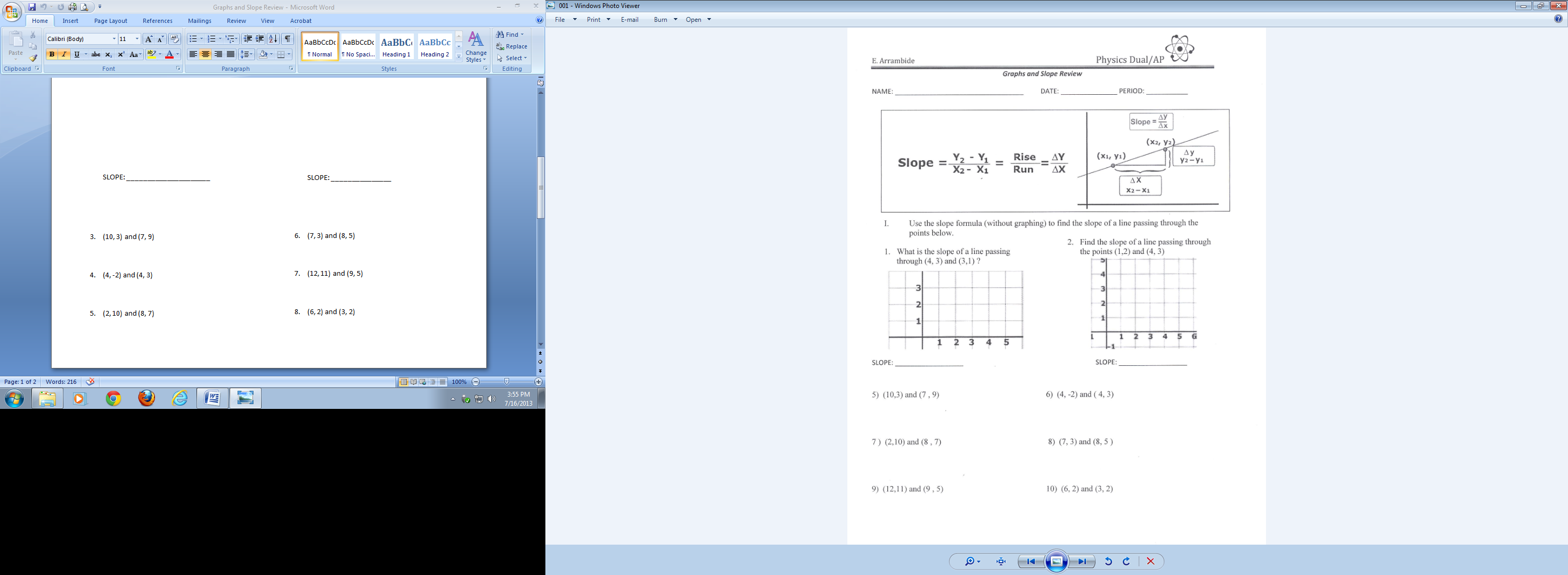
**Slope =**

**(X1 – Y1)**

**(X2 – Y2)**

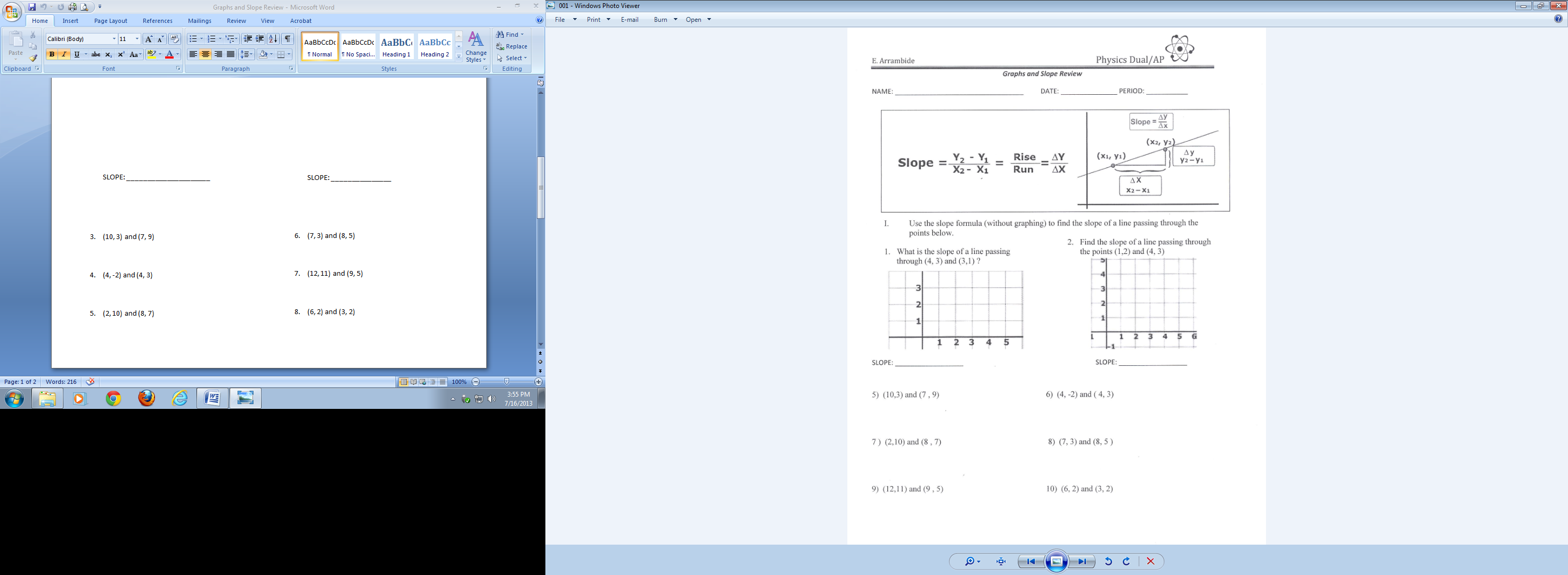
**I. Use the slope formula (without graphing) to find the slope of a line passing through the points below.**

1. What is the slope of a line passing through (4, 3) and (3, 1)?

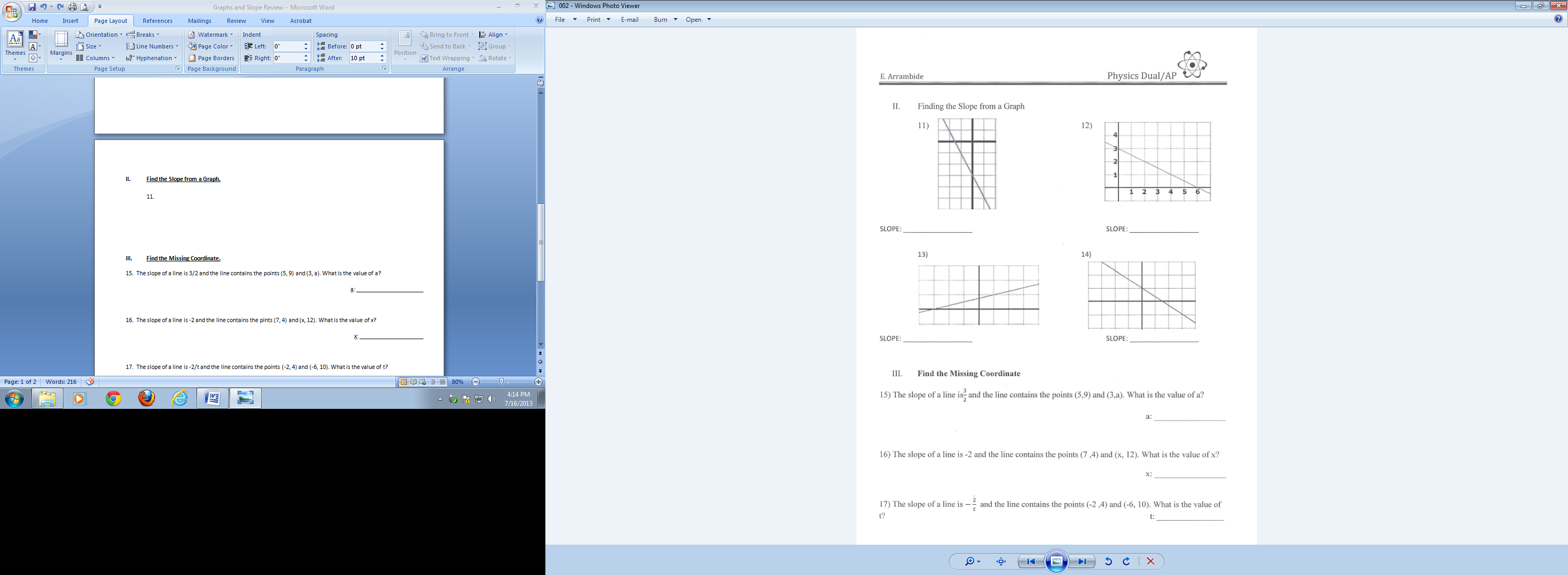


SLOPE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Find the slope of a line passing through the points (1, 2) and (4, 3).



SLOPE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. (10, 3) and (7, 9) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. (4, -2) and (4, 3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. (2, 10) and (8, 7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. (7, 3) and (8, 5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. (12, 11) and (9, 5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. (6, 2) and (3, 2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. **Find the Slope from a Graph.**
8. **Find the Missing Coordinate.**
9. The slope of a line is 3/2 and the line contains the points (5, 9) and (3, a). What is the value of a?

a: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The slope of a line is -2 and the line contains the pints (7, 4) and (x, 12). What is the value of x?

x: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The slope of a line is -2/t and the line contains the points (-2, 4) and (-6, 10). What is the value of t?

t: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

