Name _____

8A; Algebra 1

Date _____

Period_____

Homework

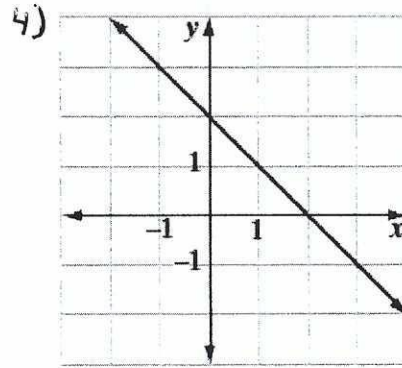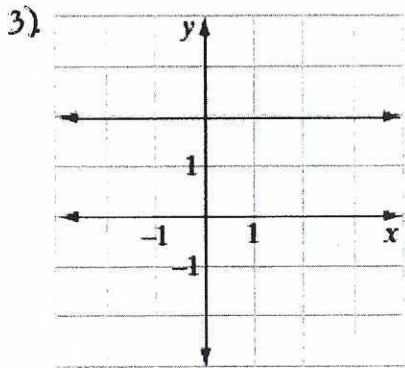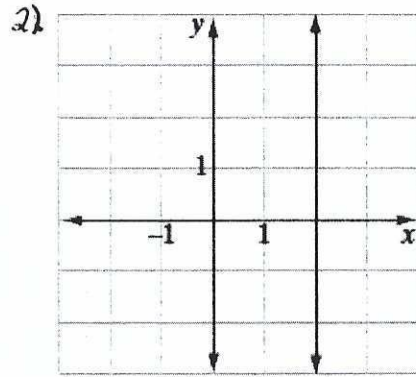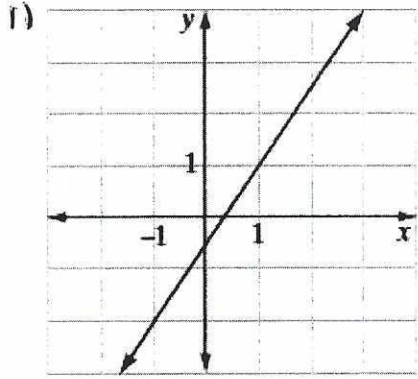In 1-6: **a.** Tell whether each line has a positive slope, a negative slope, a slope of zero, or no slope.
b. Find the slope of each line that has a slope.

1)

2)

3)

4)

5)

6)
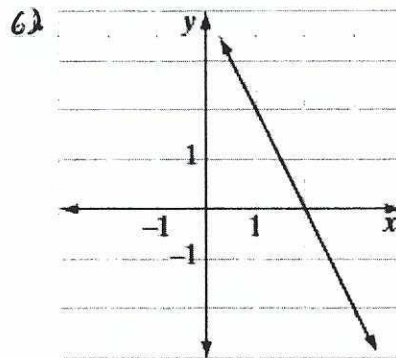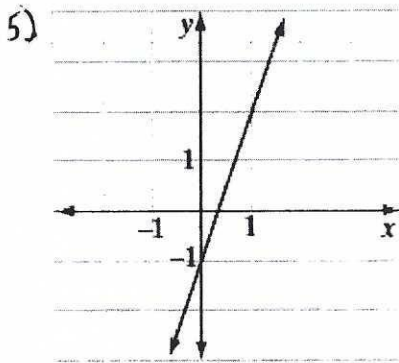
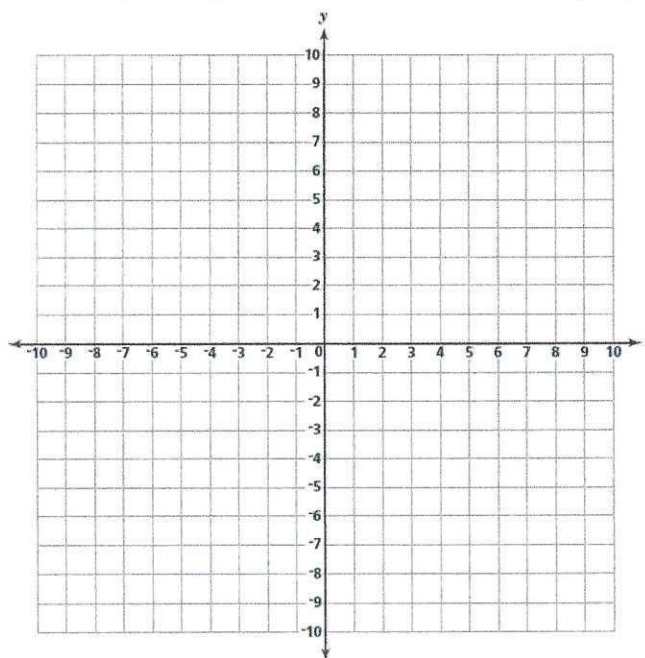For 7 & 8: Find the slope of the line that passes through the given two points
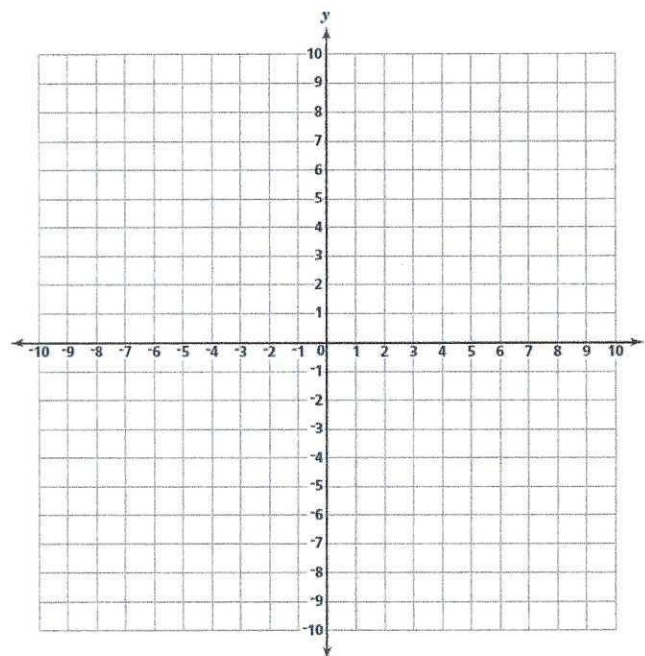
7) (1,5) and (7, -8)

8) (5, - 2) and (7,-8)

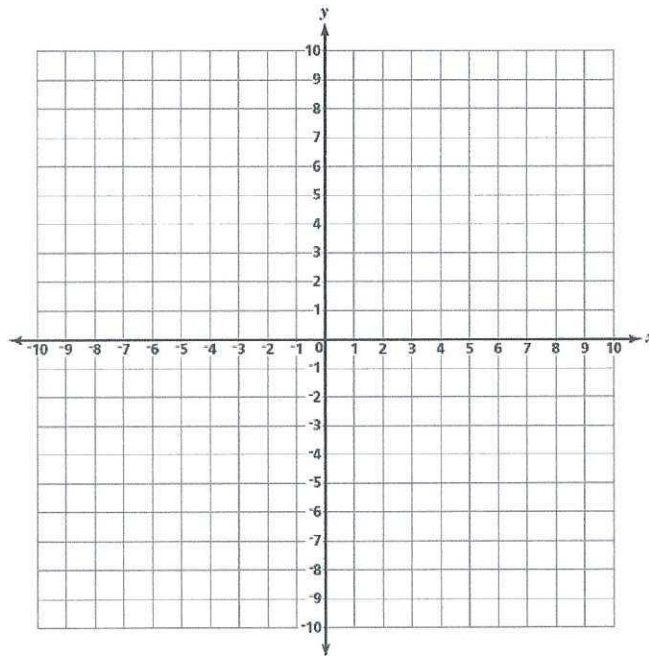For 9 & 10: Draw a line with the given slope, m, through the given point. Use the accompanying graph.

9) (2, -5); m =4

10) (2,4); m = $-\dfrac{3}{2}$

11) The points whose coordinates are (3,1), (5, -1), and (7, -3) all lie on the same line. What could be the coordinates of another point that lies on that line? Explain how you found your answer. You may use the coordinate plane below to help you.

12) Of the points (0,5), (2,4), (3,3), and (6,2), which one does not lie on the same line as the other three? Explain how you found your answer. You may use the coordinate plane below to help you.