Math 8 Slope Unit 10 Review   Name _____
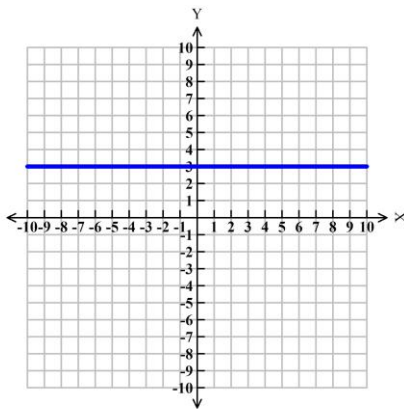
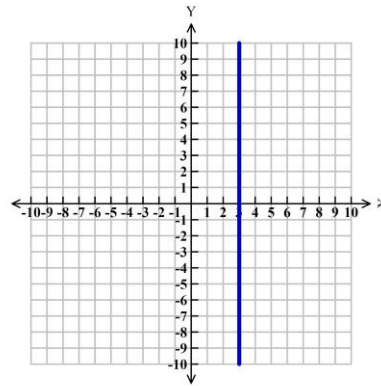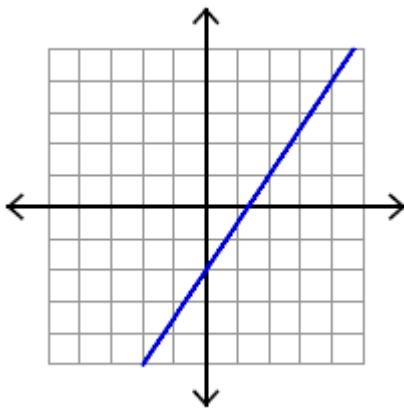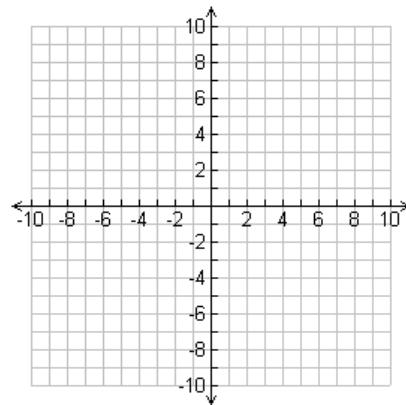| Find the slope of each line. **SHOW YOUR WORK!**	
1. Slope: _____	2. Slope: _____
3. m = _____	4. m =_____
5. m = _____	6. Graph the points (-5 , 5) & (2 ,7) and find the slope of the line. m = _____
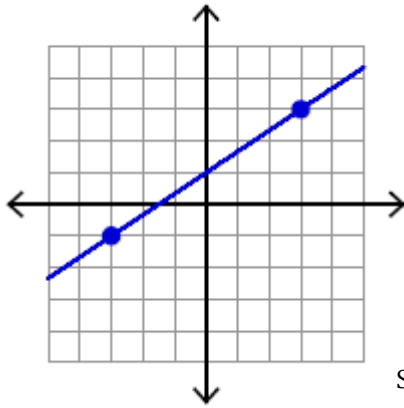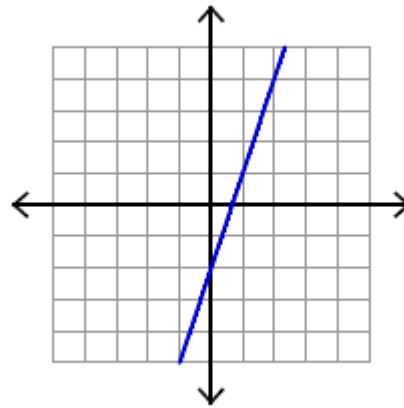
Find the slope of the line for each pair of points. **SHOW YOUR WORK!**	
7. (1, 0) and (3, 6) Slope ____	8. (-2, 1) and (2, 3) Slope ____

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9. (2, -1) and (6, 1)	10. (2, 3) and (4, 3)
Slope _____	Slope _____

11. (3, 1) and (0, 3)	12. (2, -3) and (2, 4)
m = _____	m = _____

Given the following equations, answer questions #13-19

y = 5x   **y = -2x**   **y = x**   **y = ½ x**

13. What is the slope of the line **y = 5x**?   m = _____

14. What is the slope of the line **y = -2x**?   m = _____

15. What is the slope of the line **y = x**?   m = _____

16. What is the slope of the line **y = ½x**?   m = _____

17. Which equation has the steepest graph?

18. Which equation has the flattest graph?

19. Which equation(s) have graphs that slant upwards from left to right?

20.

Time (hours)	Distance (miles)
4	300
6	340
8	380
10	420

Find the constant rate of change (slope) from the table above.

Answer: _____

21.
How is the graph of y = 3x **similar to** the graph of
y = ½x?

22.
How is the graph of y = 3x **different from** the graph of y = ½x?