1. Determine if the point (5, -1) is on the line 2x – 5y = 15. Justify your answer.	2. Determine if the point (3, 10) is on the line y = -4x - 8. Justify your answer.
3. Find the slope and y-intercept of the line 2x + 3y = 9.	4. Determine if the point (3, -1) is on the given line 3x – y = 10. Justify your answer.
5. The point (k, 4) is on the line 5y – x = 12. Solve for k.	6. Solve for y: 4x – y = 2
7. Find the slope of the line passing through the points (1, 3) and (-4, 6).	8. Solve for y: 9x – 3y = 12

9. Name the Quadrant where the point is located:

   A] (-4, 5)   B] (10, 10)   C] (-6, -3)   D] (9, -5)   E] (0, 7)

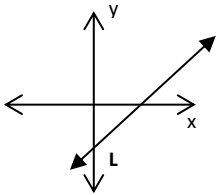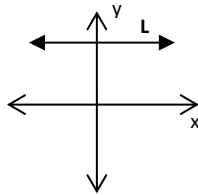|	
10. Find the slope and the y-intercept for the equation y + 3x = 6.	11. Find the slope and y-intercept for the equation 2y -8x = 4.

12. Find the rate of change:

x	2	4	6	8	10	12
y	20	30	40	50	60	70

13. In which graph does line L have a zero slope?

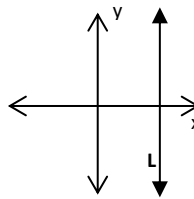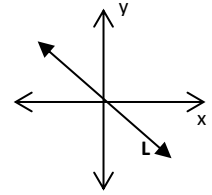(a)   (b)   (c)   (d)

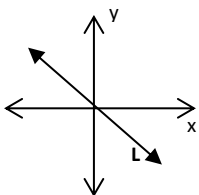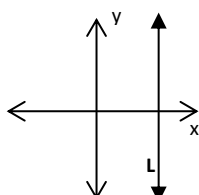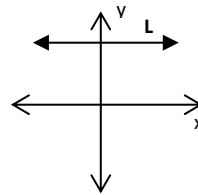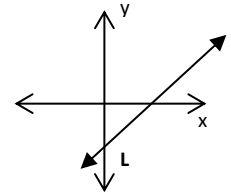|	
14. What is the slope of the line whose equation is 3x + 4y = 8?	15. What is the equation of the line that is parallel to the x-axis 8 units above it?
16. What are the slope and y-intercept of the line whose equation is y = 3x – 5?	17. What is the slope of a line that passes through the points (2, -9) and (-1, 0)?
18. What are the slope and y-intercept of the equation y – 2x = 4	19. What is the equation of the line that is parallel to the y-axis and 3 units to its left?

20. In which graph does line L have a positive slope?   .
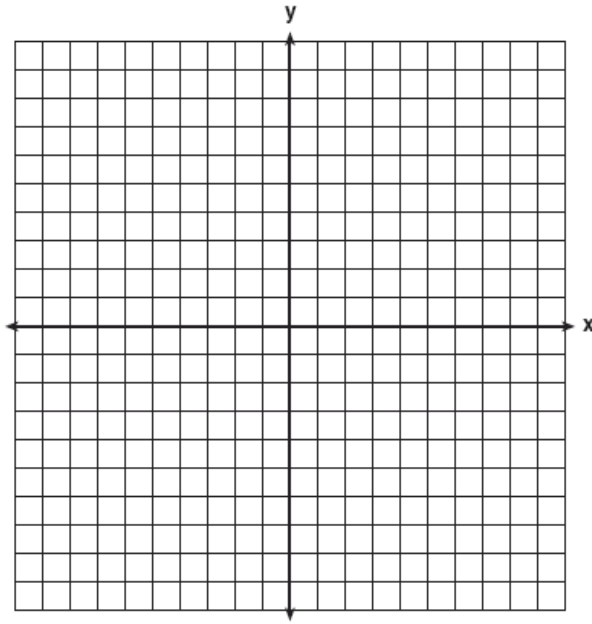
(a)   (b)   (c)   (d)

1. _____
2. _____
3.   m = _____
     b = _____
4. _____
5.   k = _____
6. _____
7.   m = _____
8. _____
9.
     A] _____
     B] _____
     C] _____
     D] _____
     E] _____
10.
     m = _____
     b = _____
11.
     m = _____
     b = _____
12. m = _____
13. _____
14. m = _____
15. _____
16.
     m = _____
     b = _____
17. m = _____
18.
     m = _____
     b = _____

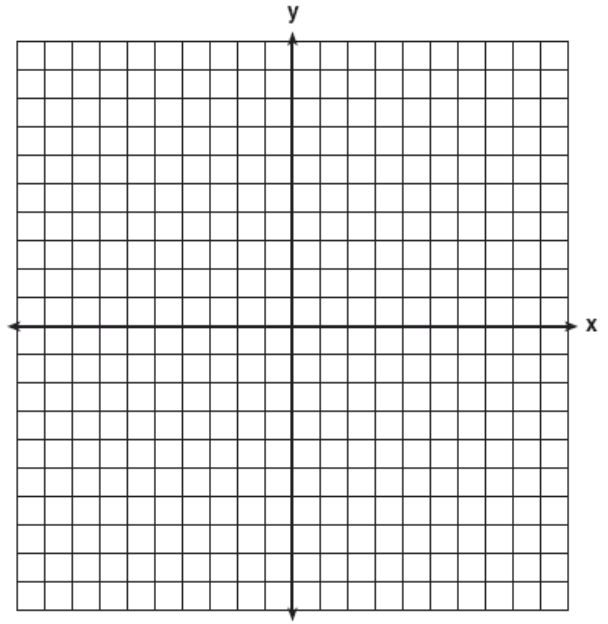21.   Graph the line: y = 2x + 4

         m = _____   b = _____

22.   Graph the line: y = -3x + 8

         m = _____   b = _____
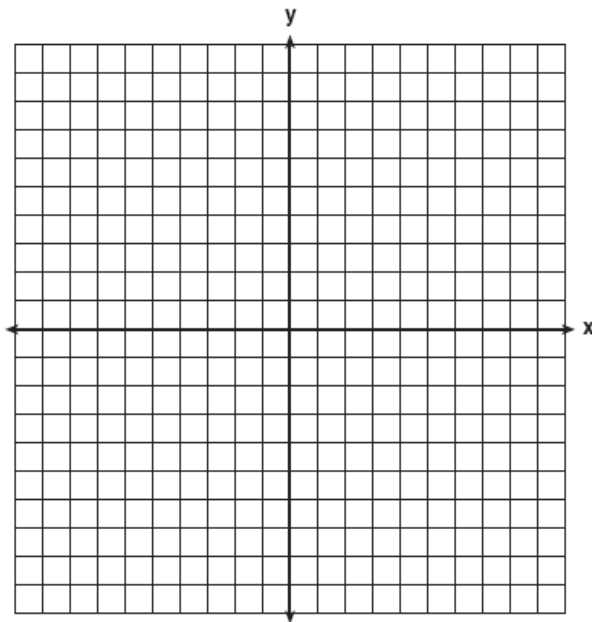

23.   Solve the system of equations by graphing.
         y = x + 1   x + y = 5

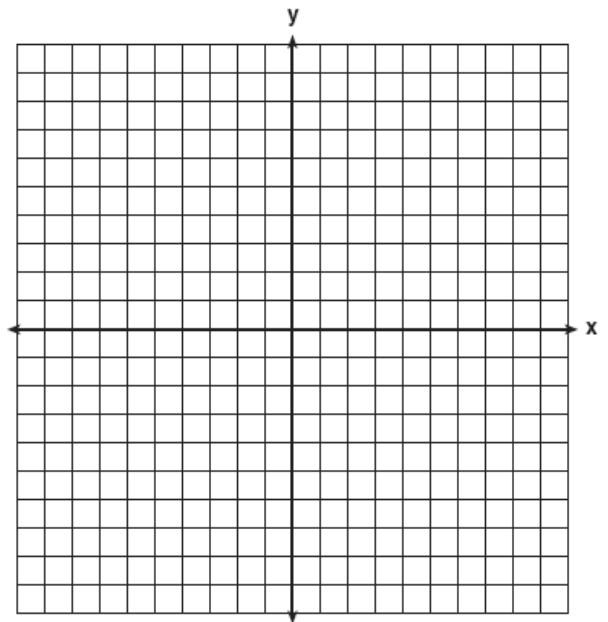   m = _____   b = _____   m = _____   b = _____

24.   Solve the system of equations by graphing.
         y + 9 = 2x   6x + 3y = 9

      m = _____   b = _____   m = _____   b = _____

19.   _____

20.   _____

Graph Review Sheet