

Lesson 1.06 Write Equations Notes

- A. Give the slope/intercept equation for the following lines.
- B. List at least 3 coordinate points that satisfy the equation and graph.
- C. Write the equation of the line in slope-intercept form. $y = mx + b$
- D. Write the equation of the line in point-slope form using any point on the line. $(y - y_1) = m(x - x_1)$

1.

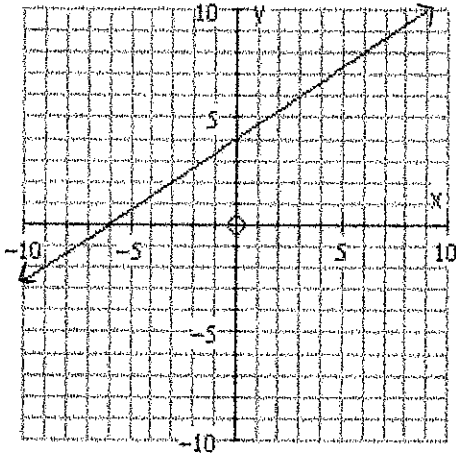
m =

b =

(,)

(,)

(,)



Equations:

2.

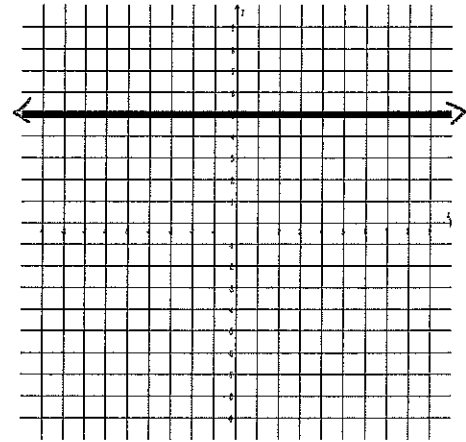
m =

b =

(,)

(,)

(,)



Equations:

3.

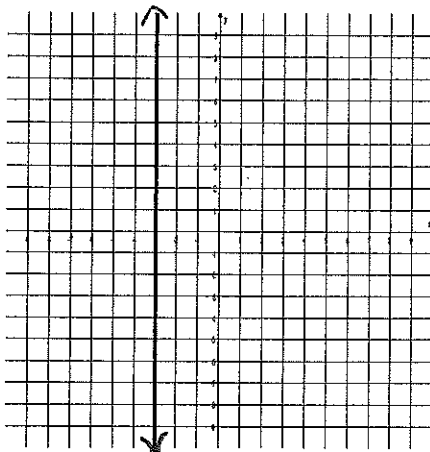
m =

b =

(,)

(,)

(,)



Equations:

4.

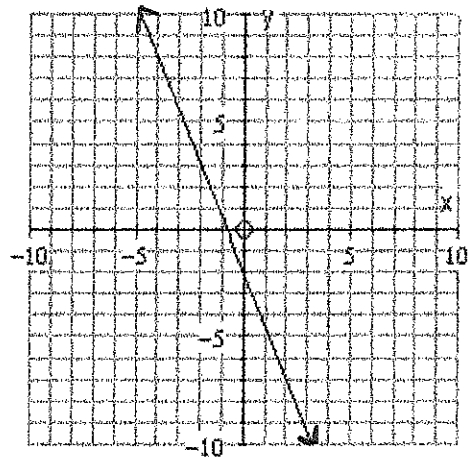
m =

b =

(,)

(,)

(,)



Equations:

5. Write an equation of a line, in slope-intercept form ($y = mx + b$), whose slope = 3 and passes through the point (0 , -2)

6. Write an equation of a line, in point-slope form ($y - y_1 = m(x - x_1)$), whose slope = $\frac{1}{2}$ and passes through the point (4 , 7)

7. Write an equation of a line, in slope-intercept form ($y = mx + b$), that passes through the points (6, -1) and (8, 3)