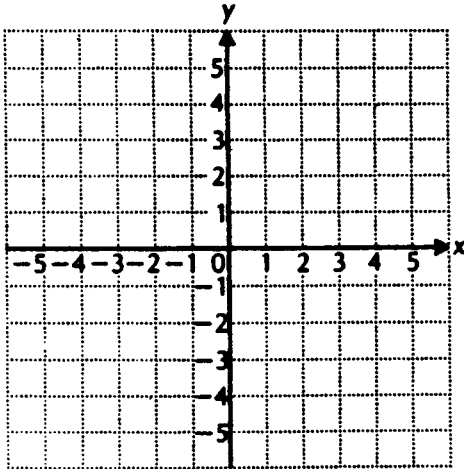
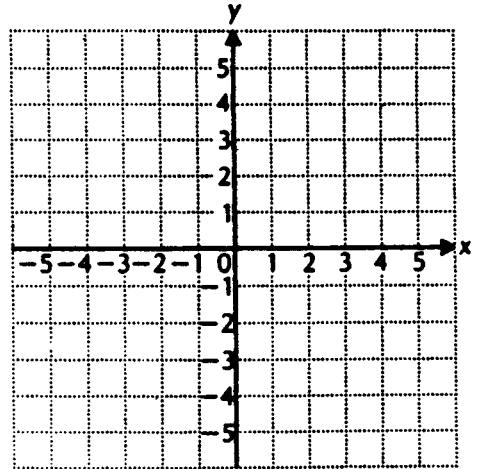


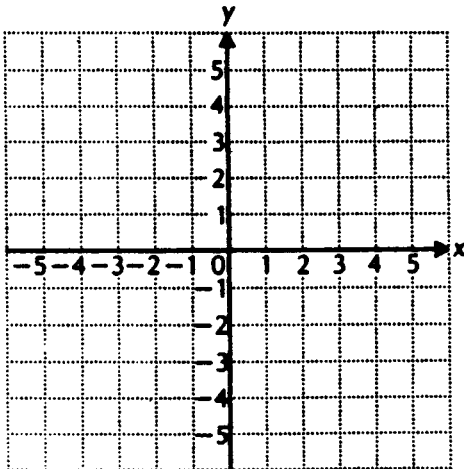
1. Graph $y = 2x - 1$



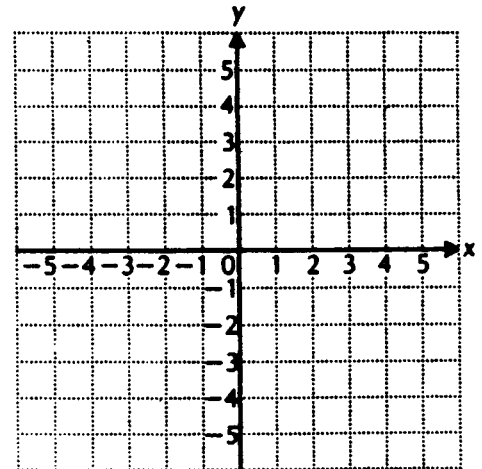
2. Graph $3x - 2y = 12$



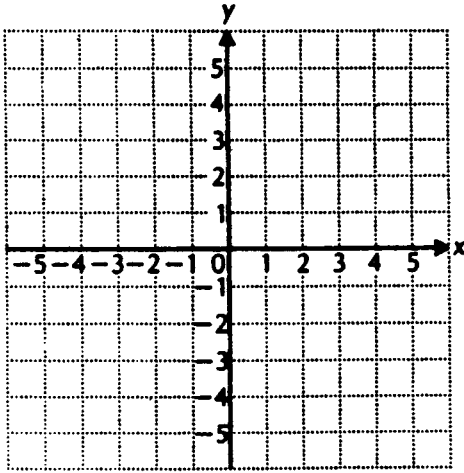
3. Graph $y = -3$



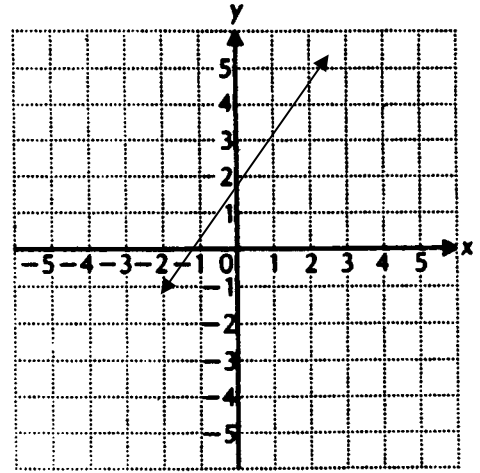
4. Graph $y = \frac{2}{3}x + 1$



5. Graph the line which contains $(-2, 1)$ and has slope $m = \frac{2}{3}$.



6. What is the slope of the line graphed below?
6. _____



7. Find the “x” and “y” intercepts of $5x - 2y = 12$.

a. x intercept:

7a. _____

b. _____

b. y intercept:

8. Find the slope and “y” intercept of $y = -5x + 3$.

a. slope:

8a. _____

b. _____

b. “y” intercept:

9. Find the slope of $2y - 3x = 12$.

9. _____

10. Find the slope of the line which contains points $(2, -1)$ and $(5, 3)$.

10. _____

Part 2 Review

MAT 0024
Hasenauer

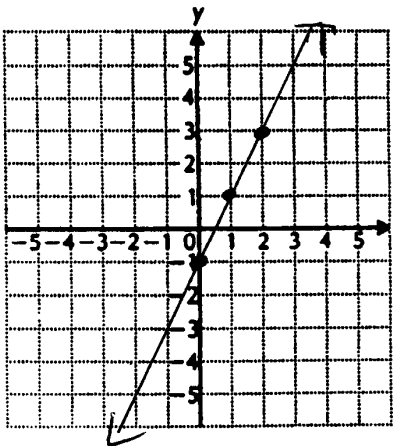
TEST 2

Name Key

1. Graph $y = 2x - 1$

Use slope, 1 pt
 $m = 2$ $(0, -1)$
or a chart

x	y
---	---



x	y
0	-1
1	1
2	3

2. Graph $3x - 2y = 12$

Use intercepts

x	y
4	0
0	-6

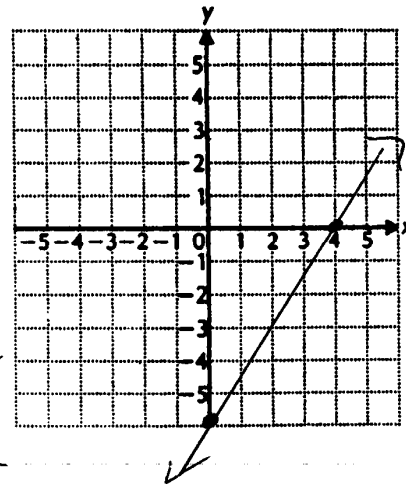
$$3x - 2(0) = 12$$

$$3x = 12$$

$$x = 4$$

$$3(0) - 2y = 12$$

$$-2y = 12$$

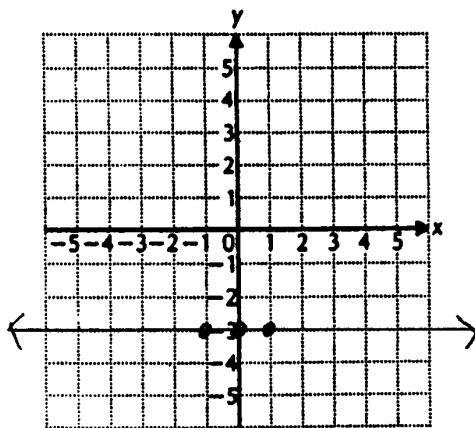
$$y = -6$$


Special line

3. Graph $y = -3$

x	y
0	-3
1	-3
-1	-3

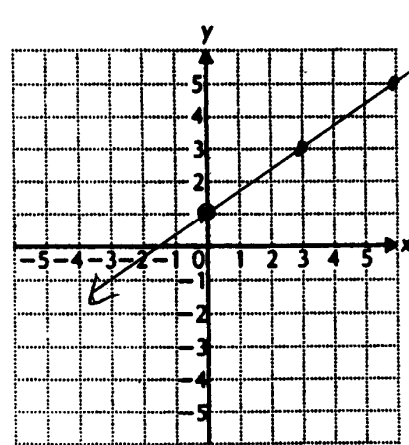
↑ any x



Use slope, 1 pt
 $m = \frac{2}{3}$ $(0, 1)$
or chart

x	y
---	---

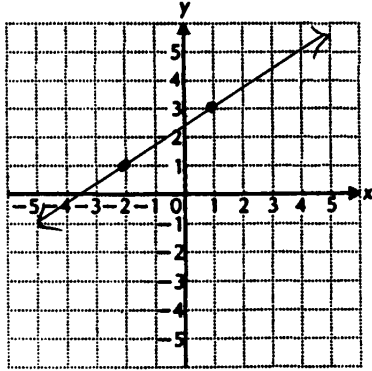
4. Graph $y = \frac{2}{3}x + 1$



5. Graph the line which contains $(-2, 1)$ and has slope $m = \frac{2}{3}$.

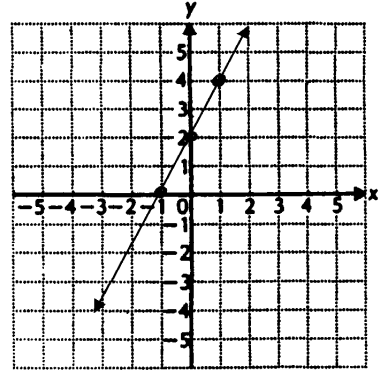
① Plot $(-2, 1)$

② Move from $(-2, 1)$ with slope $\frac{2}{3}$ v to find a new point



6. What is the slope of the line graphed below?

6. $m = \frac{2}{1} = 2$



7. Find the "x" and "y" intercepts of $5x - 2y = 12$.

a. x intercept: Set $y = 0$ $5x - 2(0) = 12$

$$5x = 12 \quad \left(\frac{12}{5}, 0\right)$$

$$x = \frac{12}{5}$$

7a. $\left(\frac{12}{5}, 0\right)$
 b. $(0, -6)$

b. y intercept: Set $x = 0$ $5(0) - 2y = 12$

$$-2y = 12 \quad (0, -6)$$

$$y = -6$$

8. Find the slope and "y" intercept of $y = -5x + 3$.

a. slope: coef of x m y int

8a. $m = -5$
 b. y int $(0, 3)$

- b. "y" intercept:

9. Find the slope of $2y - 3x = 12$. Change to slope Intercept Form. Isolate y. $m = \frac{3}{2}$

$$2y = 12 + 3x$$

$$\frac{2y}{2} = \frac{12}{2} + \frac{3x}{2}$$

$$y = 6 + \frac{3}{2}x$$

$m = \text{coef of } x$

10. Find the slope of the line which contains points $(2, -1)$ and $(5, 3)$.

10. $m = \frac{4}{3}$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{3 - (-1)}{5 - 2} = \frac{4}{3}$$