Graphing Review

1. Graph $y = x - 2$

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

3. Graph: $2x + 3y = 6$

4. Graph: $y = -2$

5. Graph the line containing $(-3,1)$ with $m = 2$.

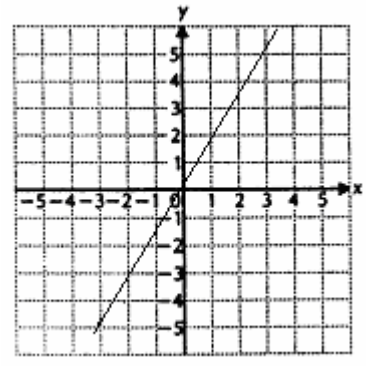
6. Find the x and y intercepts and write them as ordered pairs:
   $y = 5x - 1$

7. Find the slope and the y intercept of the line: $y = -3x + 1$

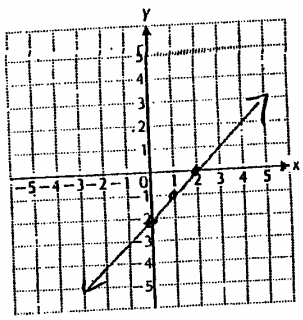
8. Find the slope of the line: $12x - 3y = 4$

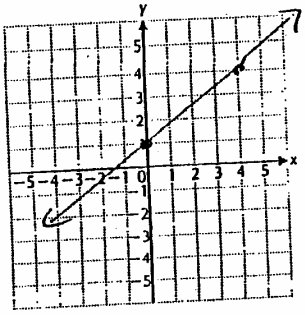
9. Find the slope of the line containing points $(2,-1)$ and $(5,4)$.

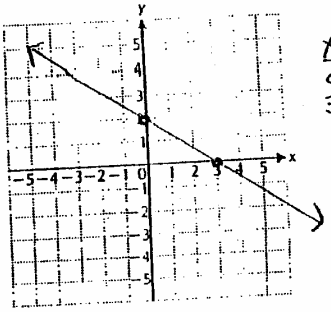
10. Find the slope of the line graphed below:



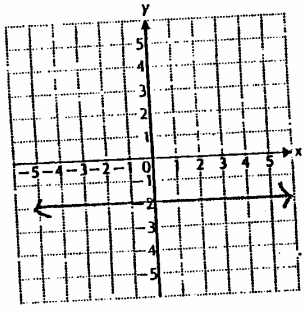
MAT0024 Solutions to Graphing Review

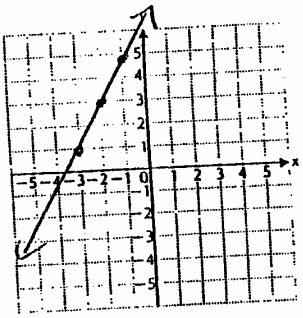
1) 

2) 

3) 

x	y
0	2
3	0

4) 

5) 

6) x int. $0 = 5x - 1$ $(\frac{1}{5}, 0)$

$0 + 1 = 5x - 1 + 1$

$1 = 5x$

$\frac{1}{5} = \frac{5x}{5}$

$\frac{1}{5} = x$

y int. $y = 5(0) - 1$

$y = 0 - 1$

$y = -1$ $(0, -1)$

7) $y = -3x + 1$

$m = -3$, y int = $(0, 1)$

8) $12x - 3y = 4$

$m = 4$

9) $(\underset{x_1}{2}, \underset{y_1}{-1})$ $(\underset{x_2}{5}, \underset{y_2}{4})$

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

10) $m = 2$