

Warm Up

Graph the following equations.

Note: rearrange to get y by itself

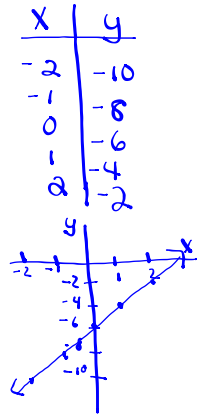
a)  $2x - y = 6$

$$\frac{-y}{-1} = \frac{-2x + 6}{-1}$$

$$y = 2x - 6$$

↑  
m (slope)

← y-int



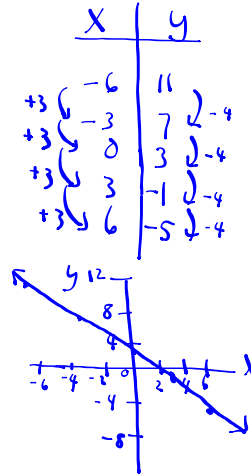
b)  $4x + 3y - 9 = 0$

$$3y - 9 = -4x + 9$$

$$\frac{3y}{3} = \frac{-4x + 9}{3}$$

$$y = -\frac{4}{3}x + 3$$

$m = -\frac{4}{3}$  y-int = 3



MID-UNIT REVIEW:

**MMS9:**

**PAGE 181: ALL! (#1 to #7)**

1. a)

n	P
1	4
2	10
3	16
4	22

+1 ↘  
+1 ↘  
+1 ↘

↙ +6  
↙ +6  
↙ +6

b)  $P = 6n - 2$       $6(1) = \frac{6}{-\frac{2}{4}}$

c)  $P = 6n - 2$   
 $= 6(40) - 2$   
 $= 240 - 2$   
 $= 238$

e)  $6n - 2 = 136$   
 $\frac{6n}{6} = \frac{138}{6}$   
 $n = 23$