More Graphing Practice:

1. Graph using the most appropriate method:

a)

$$y = \frac{-2}{3}x + 5$$

b)

$$3x - 4y = 24$$

c)

$$x = 5$$

$b = 5$

$m = \frac{-2}{3}$

$y = \frac{-2}{3}x + 5$

x-int, y=0
3x=24
x=8

y-int, x=0
-4y=24
y=-6

(5, 6)

(5, 4)

3x-4y=24

x=5
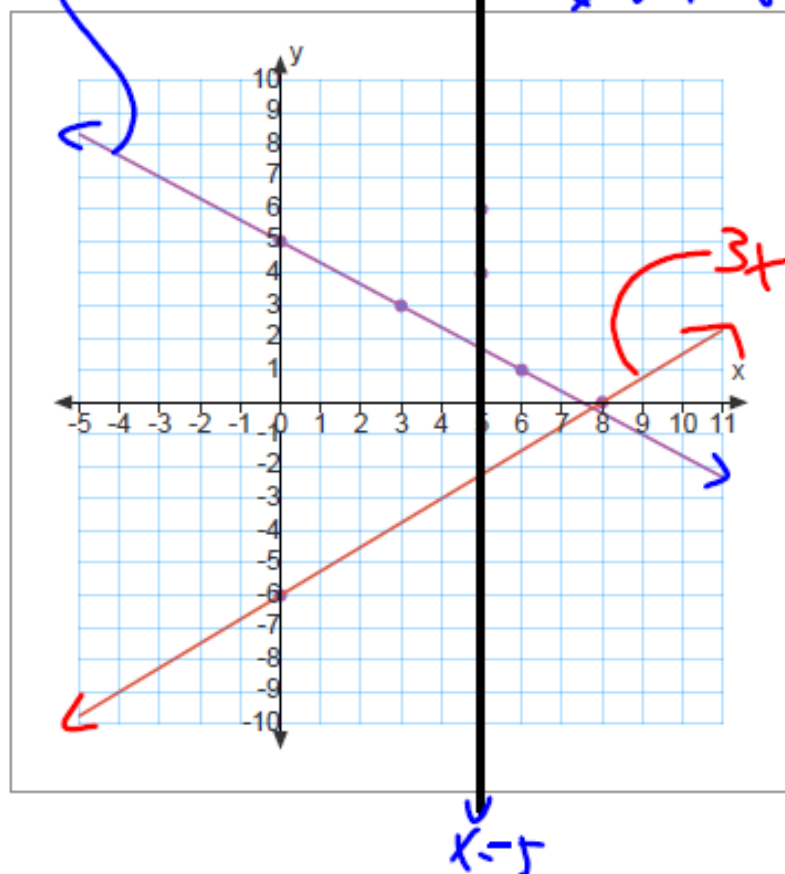
Use the "standard" values: -2, -1, 0, 1, 2, UNLESS the slope is a fraction. When a fraction exists, choosing x values which are multiples of the denominator results in "nice" integer values for y.

2. Create a table of values, then graph: $y = -\dfrac{2}{3}x + 5$

x	y
-6	9
-3	7
0	5
3	3
6	1

$y = -\dfrac{2}{3}(6) + 5$

$= -4 + 5$

$= 1$