

**Directions:** Create a table of values for each equation and graph the function.

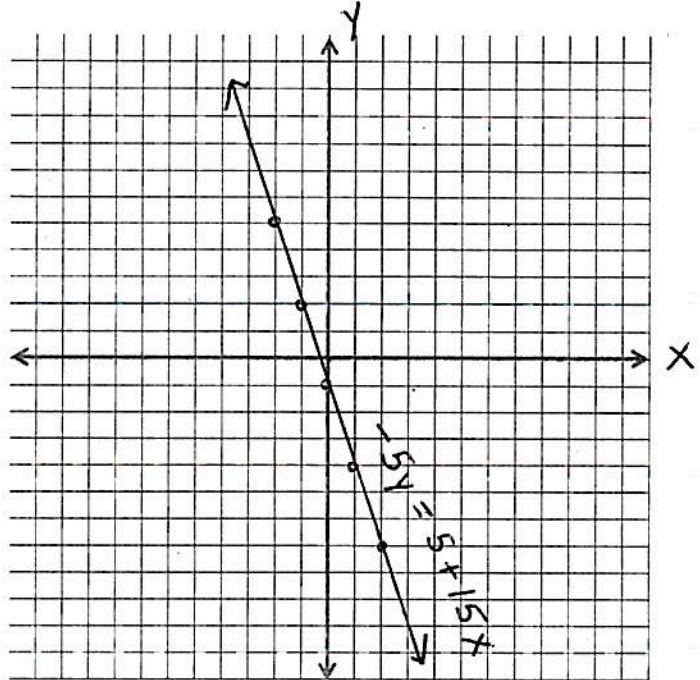
$$1. \frac{-5y}{-5} = \frac{5 + 15x}{-5}$$

$$y = -1 - 3x \Rightarrow y = -3x - 1$$

x	y
-2	5
-1	2
0	-1
1	-4
2	-7

Domain:  $(-\infty, \infty)$

Range:  $(-\infty, \infty)$

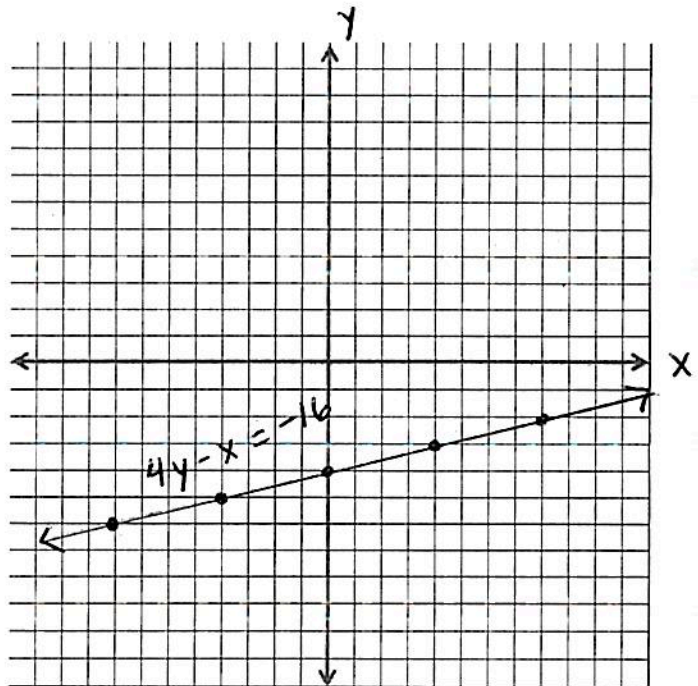


$$2. \frac{4y}{4} - \frac{x}{4} = \frac{-16}{4}$$

$$4y = \frac{x}{4} - 16$$

$$y = \frac{1}{4}x - 4$$

x	y
-8	-6
-4	-5
0	-4
4	-3
8	-2



Domain:  $(-\infty, \infty)$

Range:  $(-\infty, \infty)$

3. I agree with Claire. When I solve the equation in standard form for  $y$ , it is identical to the second equation.

$$4x + 2y = 9$$

$$\frac{2y}{2} = \frac{-4x + 9}{2}$$

$$y = -2x + 4.5$$

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