

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 26.2 - More Graphing Equations by the Table MethodFind solutions to each equation to create a table, then graph the equation. Remember to solve for y !

1. $\frac{3y}{3} = \frac{6x}{3}$

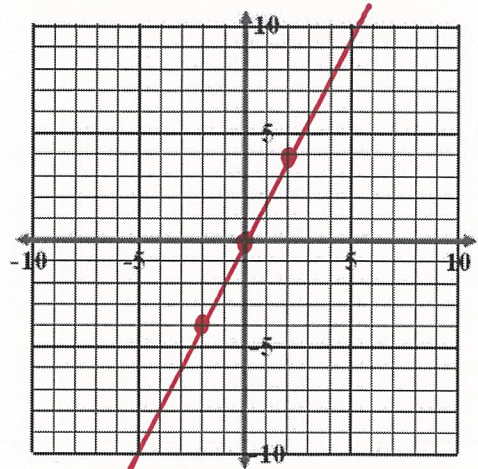
$$y = 2x$$

x	y
0	0
2	4
-2	-4

$$y = 2(0) = 0$$

$$y = 2(2) = 4$$

$$y = 2(-2) = -4$$



2. $5x + 2y + 10 = 0$

$$-5x \quad -5x$$

$$2y + 10 = -5x$$

$$\frac{2y}{2} = \frac{-5x - 10}{2}$$

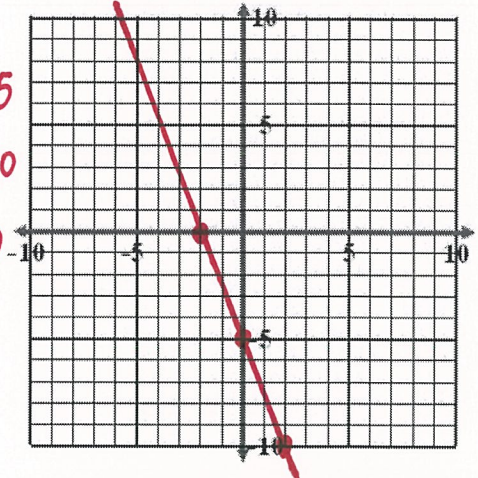
$$y = -\frac{5}{2}x - 5$$

x	y
0	-5
2	-10
-2	0

$$y = -\frac{5}{2}(0) - 5 = -5$$

$$y = -\frac{5}{2}(2) - 5 = -10$$

$$y = -\frac{5}{2}(-2) - 5 = 0$$



3. $2y - 3x = 2$

$$+3x \quad +3x$$

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

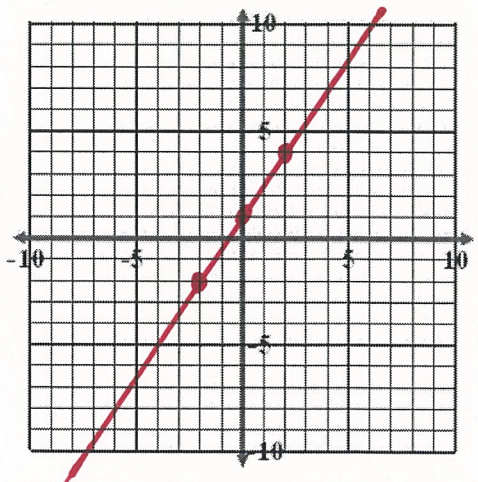
$$y = \frac{3}{2}x + 1$$

x	y
0	1
2	4
-2	-2

$$y = \frac{3}{2}(0) + 1 = 1$$

$$y = \frac{3}{2}(2) + 1 = 4$$

$$y = \frac{3}{2}(-2) + 1 = -2$$

Smart x-values: ① pick 0

② pick the denominator of the fraction

③ pick the negative of the denominator of the fraction

.12 .12 .12 ← Clear fractions by multiplying ALL terms by the Common denominator.

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

$$6y - 4x = 3$$

+4x +4x

$$\frac{6y}{6} = \frac{4x}{6} + \frac{3}{6}$$

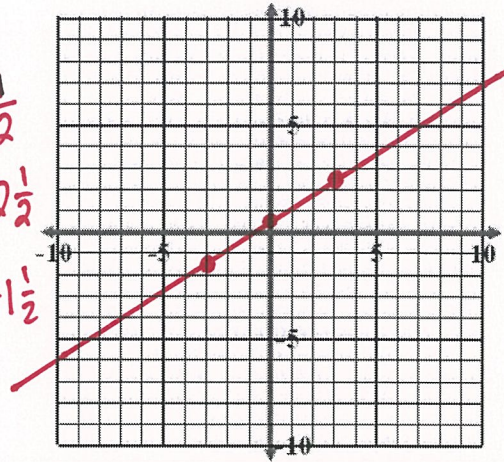
$$y = \frac{2}{3}x + \frac{1}{2}$$

x	y
0	$\frac{1}{2}$
3	$2\frac{1}{2}$
-3	$-1\frac{1}{2}$

$$y = \frac{2}{3}(0) + \frac{1}{2} = \frac{1}{2}$$

$$y = \frac{2}{3}(3) + \frac{1}{2} = 2\frac{1}{2}$$

$$y = \frac{2}{3}(-3) + \frac{1}{2} = -1\frac{1}{2}$$



5. $x + 4 = y - 1$

+1 +1

$$x + 5 = y$$

OR

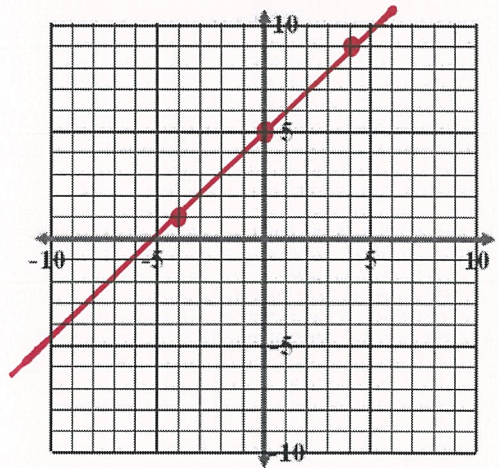
$$y = x + 5$$

x	y
0	5
4	9
-4	1

$$y = (0) + 5 = 5$$

$$y = (4) + 5 = 9$$

$$y = (-4) + 5 = 1$$



6. $3x + 5y = 15$

$-3x$ $-3x$

$$\frac{5y}{5} = \frac{-3x}{5} + \frac{15}{5}$$

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

x	y
0	3
5	0
-5	6

$$y = -\frac{3}{5}(0) + 3 = 3$$

$$y = -\frac{3}{5}(5) + 3 = 0$$

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

