#1 $3x - \frac{5}{3}y = 2$

$3(3x) + 3\left(-\frac{5}{3}y\right) = 3(2)$

$9x - 5y = 6$

$9x - 6 = 5y$

$\frac{9}{5}x - \frac{6}{5} = \frac{5}{5}y$

$y = \frac{9}{5}x - \frac{6}{5}$

x	y
-1	-3
0	$-\frac{6}{5} = -1\frac{1}{5}$
1	$\frac{3}{5}$

$x = -1$

$y = \frac{9}{5}(-1) - \frac{6}{5}$

$= \frac{-9}{5} - \frac{6}{5}$

$= \frac{-15}{5}$

$= -3$

$x = 0$

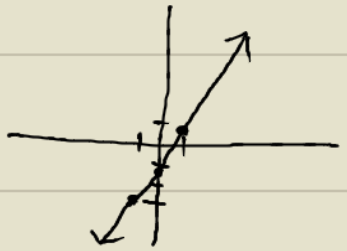
$y = \frac{9}{5}(0) - \frac{6}{5}$

$y = -\frac{6}{5}$

$x = 1$

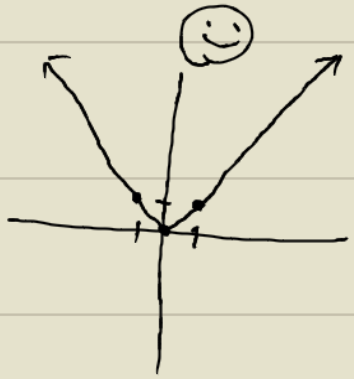
$y = \frac{9}{5}(1) - \frac{6}{5}$

$= \frac{3}{5}$

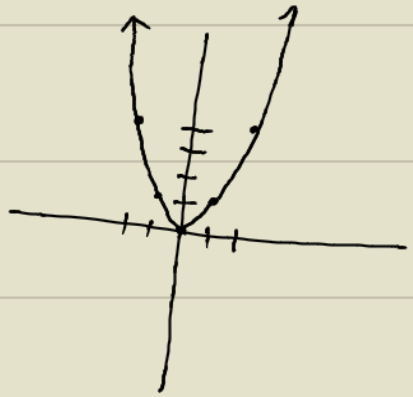


ex. $y = x^2$

x	y
-1	1
0	0
1	1



V.S.



#2 $-5x + 3y = 15$

X-INT

PLUG 0 IN FOR y AND SOLVE

$-5x + 3(0) = 15$

$-5x = 15$

$\frac{-5x}{-5} = \frac{15}{-5}$

$x = -3$

y-INT

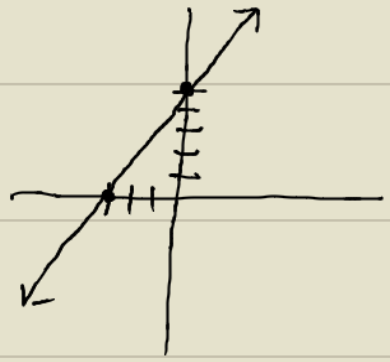
PLUG 0 IN FOR x AND SOLVE

$-5(0) + 3y = 15$

$3y = 15$

$\frac{3y}{3} = \frac{15}{3}$

$y = 5$



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