Name: Key Show work needed to justify your answer. Date: _____

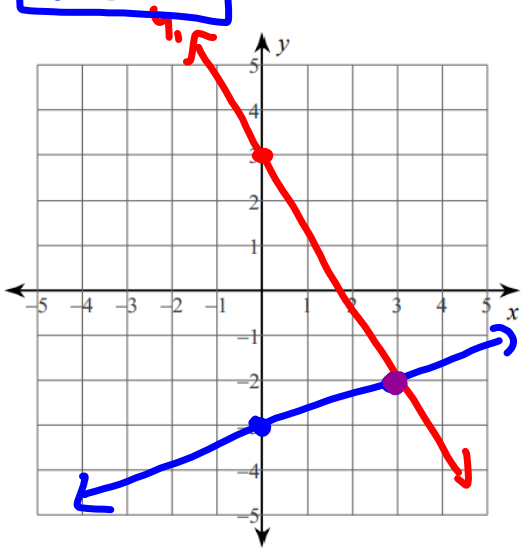
HW # 38a: Algebra 1 - Standard 24 - Graphing Systems of Equations 5 points

Graph each system and determine the number of solutions it has. If it has one solution, determine its coordinates.

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

$y = \frac{1}{3}x - 3$

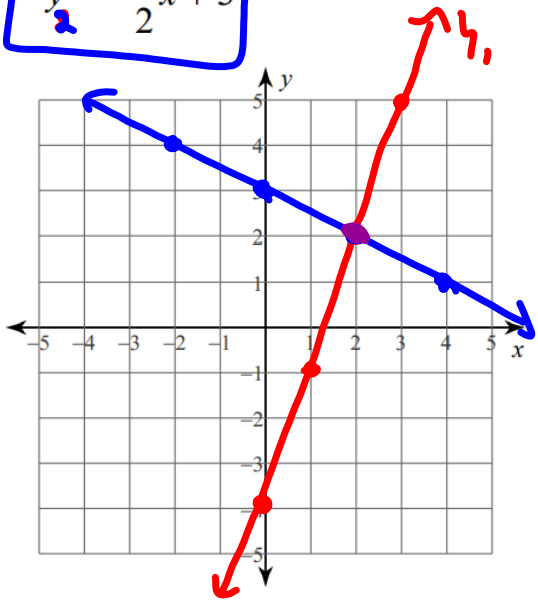
Solution (3, -2)



5) $y = 3x - 4$

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

Solution (2, 2)



4) $4x + y = 2$

$x - y = 3$

$4x + y = 2$

$-4x \quad -4x$

$y_1 = -\frac{4}{1}x + 2$

$1x - 1y = 3$

$-1x \quad -1x$

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

$y_2 = \frac{1}{1}x - 3$

Solution (1, -2)