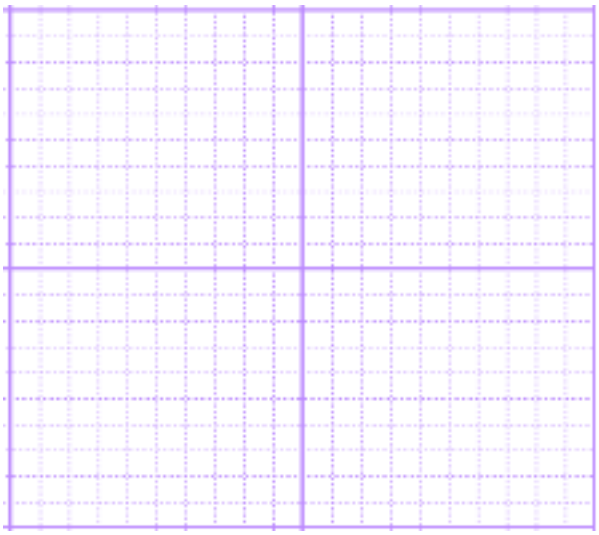
Graph each equation to find the point of intersection. Name_____

Remember to find a **nice starting point**, then use **the slope** to find other nice points.

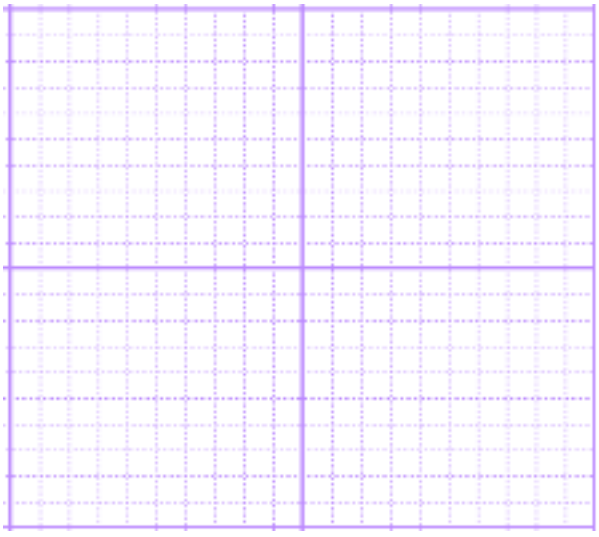


Problem 1

$y = \frac{2}{3}x - 7$

$x + 3y = -12$

Pt of Intersection _____

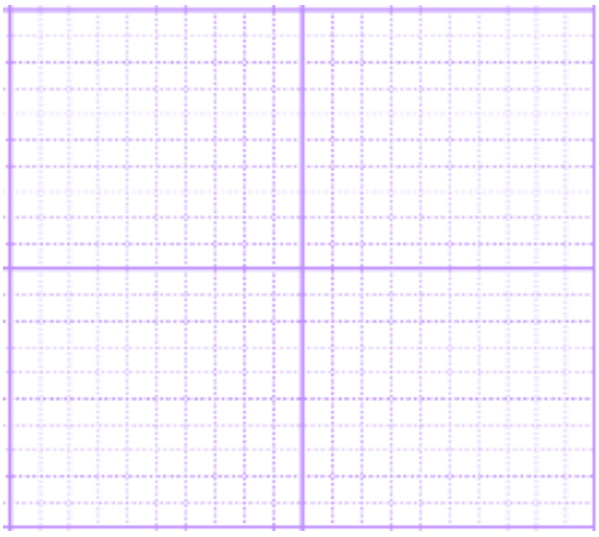


Problem 2

$2x + 3y = 10$

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

Pt of Intersection _____

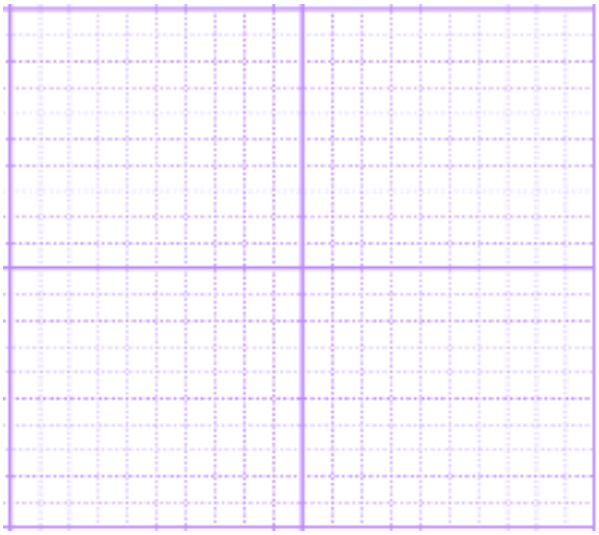


Problem 3

$y = 7$

$2x + y = 1$

Pt of Intersection _____

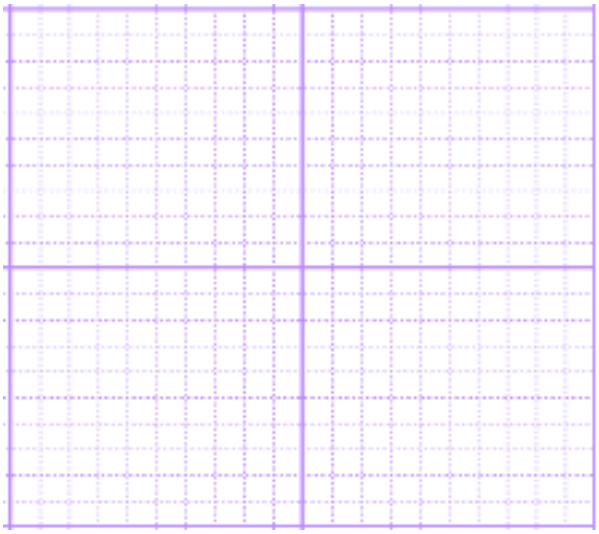


Problem 4

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

$2x + 3y = 5$

Pt of Intersection _____

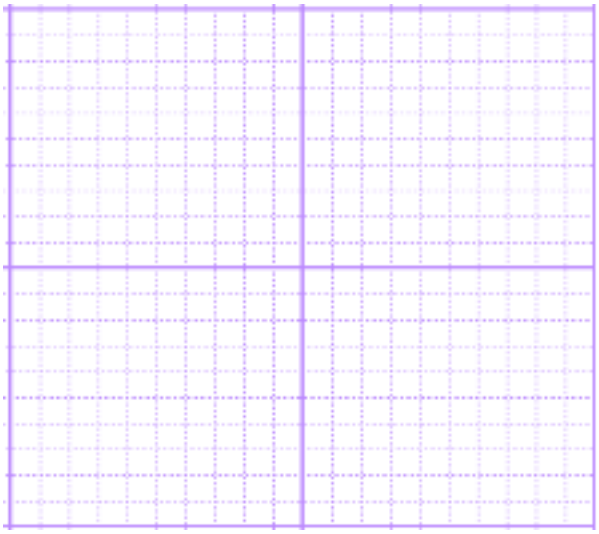


Problem 5

$x + y = 2$

$y = \frac{3}{4}x - 5$

Pt of Intersection _____

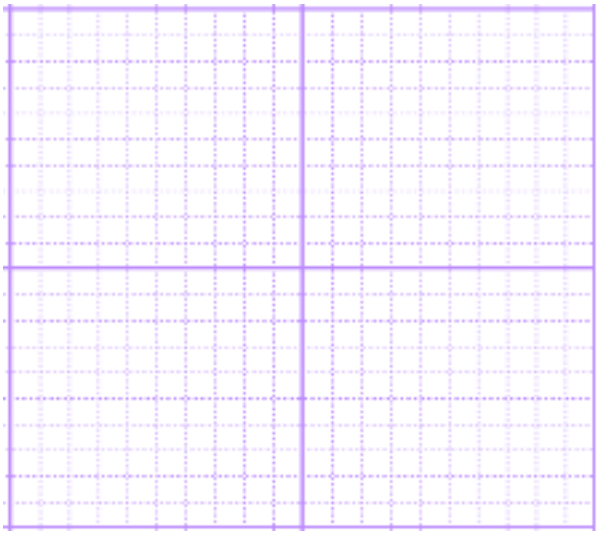


Problem 6

$x = 4$

$x + 2y = -2$

Pt of Intersection _____

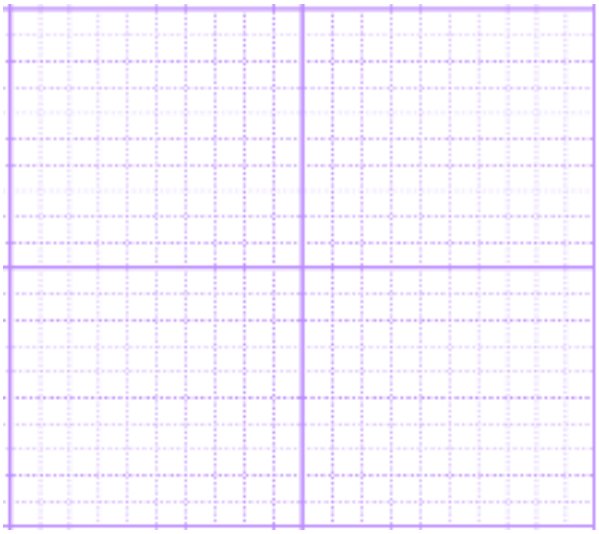


Problem 7

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

$x - 3y = 6$

Pt of Intersection _____

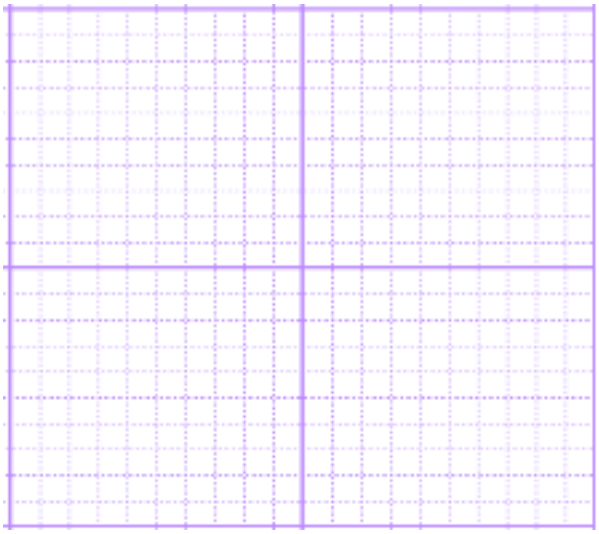


Problem 8

$x - y = -8$

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

Pt of Intersection _____

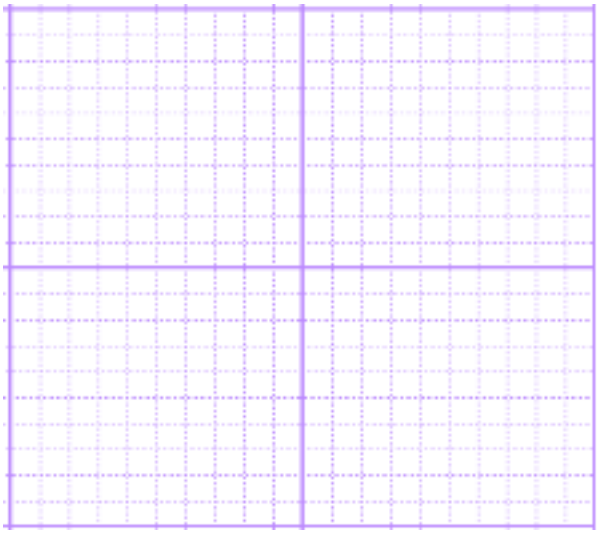


Problem 9

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

$8x - 6y = -12$

Pt of Intersection _____

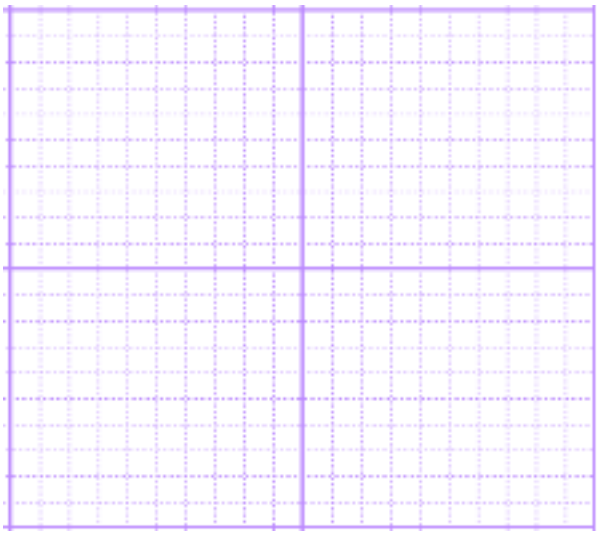


Problem 10

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

$2x + y = 9$

Pt of Intersection _____

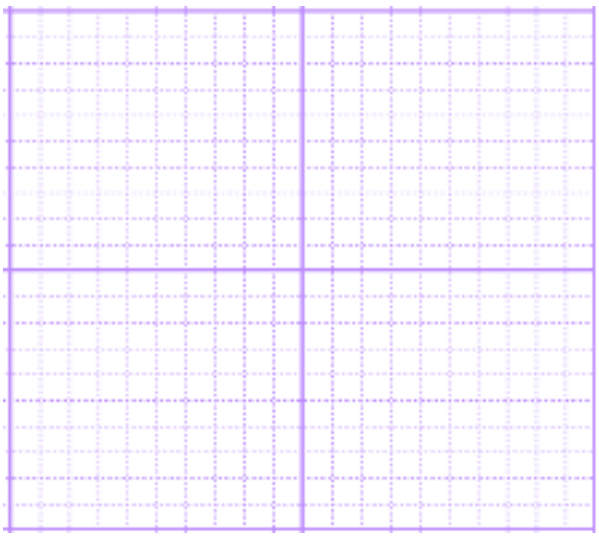


Problem 11

$3x - y = 5$

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

Pt of Intersection _____



Problem 12

$y = 2x - 1$

$3x - 4y = -11$

Pt of Intersection _____