

Mr. Hagen

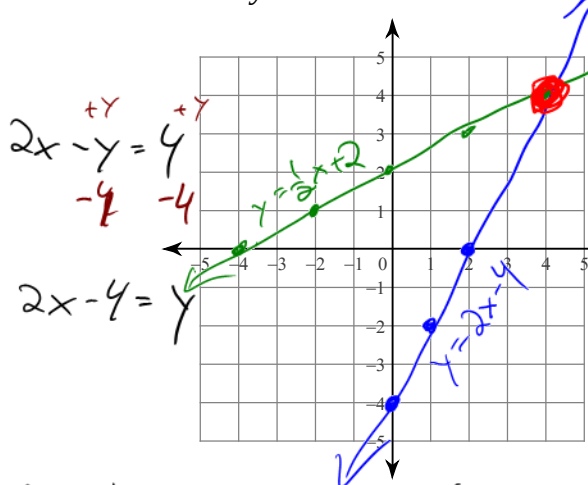
April 21, 2016

Create a table of values and graph the lines

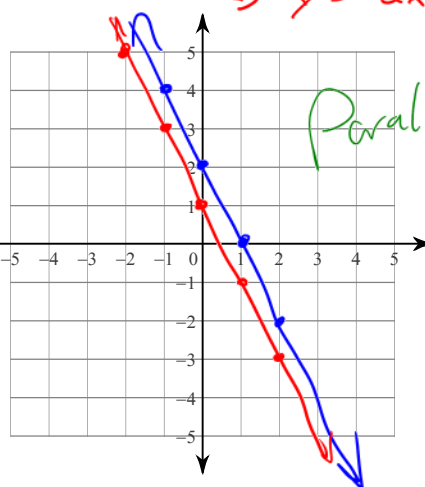
Find the POI

Solve the system by graphing. Remember to label properly

$$\begin{cases} 2x - y = 4 \\ x - 2y = -4 \end{cases}$$



$$\begin{cases} 2x + y = 2 \\ 2x + y = 1 \end{cases}$$



Parallel!!!
∴ no POI

$$\begin{aligned} x - 2y &= -4 \\ x + y &= 2y \\ \frac{x}{2} + \frac{y}{2} &= y \\ \frac{1}{2}x + 2 &= y \end{aligned}$$

∴ POI is (4, 4)

Hw: Review: pg 444 #1-7

pg 445 #60-63

Do 7, 9, 10 on handouts.

do in your homework book
if you need space.

x	y = 2x - 4	(x, y)
-2	2(-2) - 4 = -8	(-2, -8)
-1	2(-1) - 4 = -6	(-1, -6) A
0	2(0) - 4 = -4	(0, -4)
1	2(1) - 4 = -2	(1, -2)
2	2(2) - 4 = 0	(2, 0) B

x	y = $\frac{1}{2}x + 2$	(x, y)
-4	$\frac{1}{2}(-4) + 2 = 0$	(-4, 0)
-2	$\frac{1}{2}(-2) + 2 = 1$	(-2, 1) C
0	$\frac{1}{2}(0) + 2 = 2$	(0, 2)
2	$\frac{1}{2}(2) + 2 = 3$	(2, 3) D
4	$\frac{1}{2}(4) + 2 = 4$	(4, 4)

from the first line
↓

x-intercept: the coordinate where the line crosses the x-axis. (2, 0)

y-intercept: the coordinate where the line crosses the y-axis (0, -4)