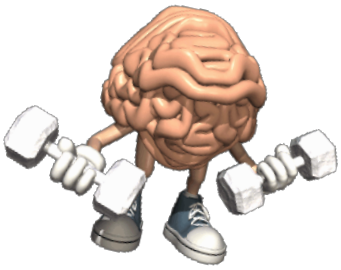
Warm Up



Solve for x and y:

1) $5x - 6y = -13$ $\xrightarrow{\times 10}$ $50x - 60y = -130$

$-9x + 10y = 25$ $\xrightarrow{\times 6}$ $-54x + 60y = 150$

$5x - 6y = -13 \xrightarrow{\times 5}$ $45x - 54y = -117$

$-9x + 10y = 25 \xrightarrow{\times 5}$ $-45x + 50y = 125$

$-4y = 8$

$\frac{-4y}{-4} = \frac{8}{-4}$

$y = -2$

$5x - 6y = -13$

$5x - 6(-2) = -13$

$5x + 12 = -13$

$5x + 12 - 12 = -13 - 12$

$\frac{5x}{5} = \frac{-25}{5}$

$x = -5$

(x, y)

$(-5, -2)$

$-4x = 20$

$\frac{-4x}{-4} = \frac{20}{-4}$

$x = -5$

$5x - 6y = -13$

$5(-5) - 6y = -13$

$-25 - 6y = -13$

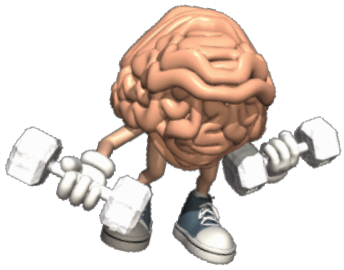
$+25 \quad +25$

$-6y = 12$

$\frac{-6y}{-6} = \frac{12}{-6}$

$y = -2$

Warm Up



Solve for x and y:

2) ① $y = 2x + 10$

② $y = -3x + 15$

sub ① into ②

$2x + 10 = -3x + 15$

$2x + 10 + 3x = 15$

$5x + 10 = 15$ (−10 −10)

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

$x = 1$

$y = 2x + 10$

$2(1) + 10$

$2 + 10$

$y = 12$

x, y

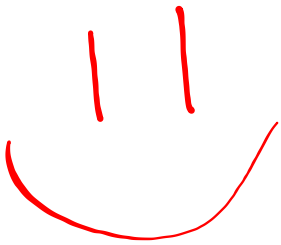
(1, 12)

Graphing y= mx+b

plot y intercept first

then use rise to get line

run



Sub -->find the lone letter and get y= then sub into eq 2