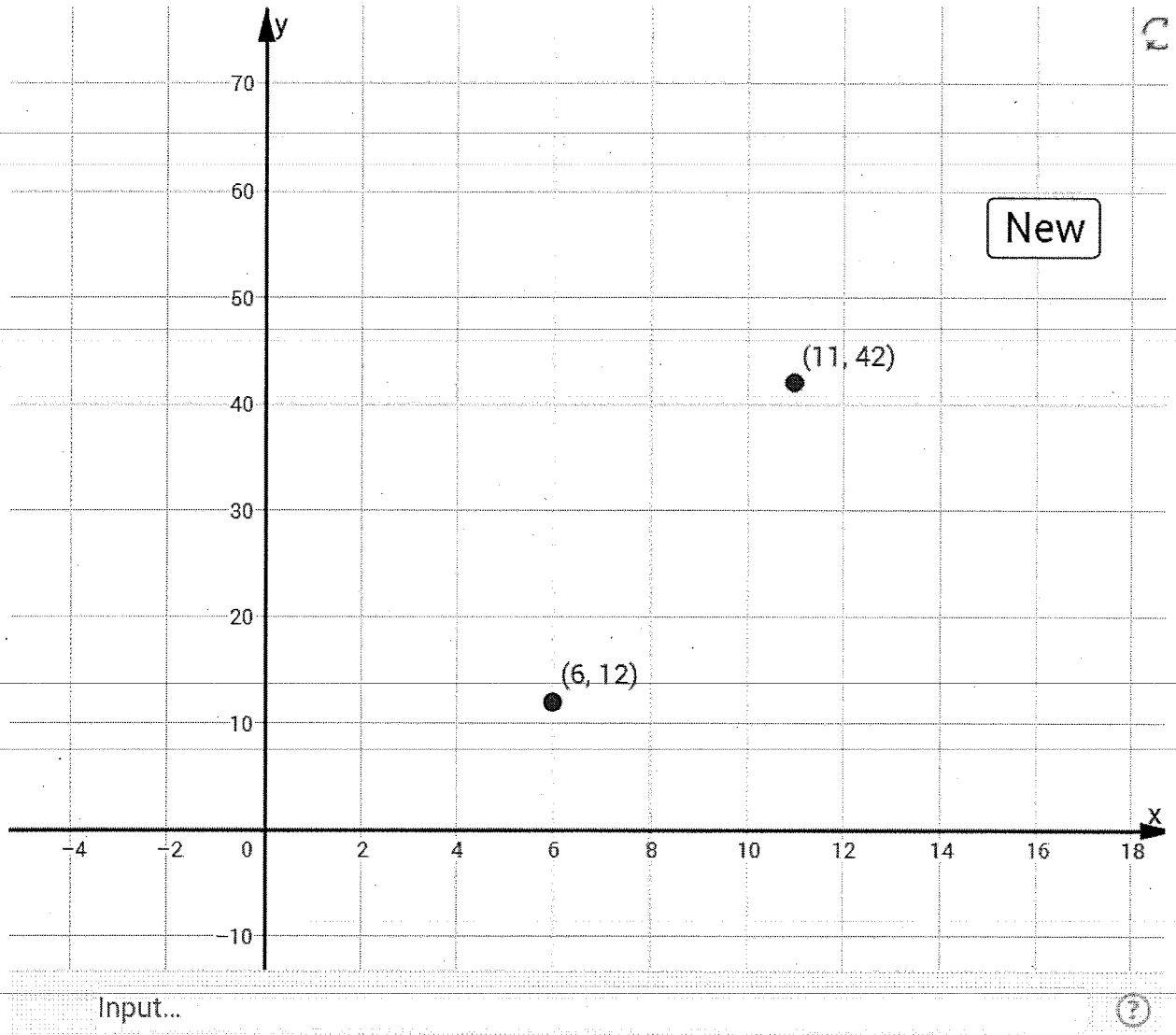


Example: two points given



$$m = \frac{42 - 12}{11 - 6} = \frac{30}{5} = 6$$

$$y = 6x + b$$

Calculate b.

Substitute (6, 12) $x = 6$ when $y = 12$

$$12 = 6(6) + b$$

$$12 = 36 + b$$

$$b = 12 - 36 = -18$$

$$y = 6x - 18$$



