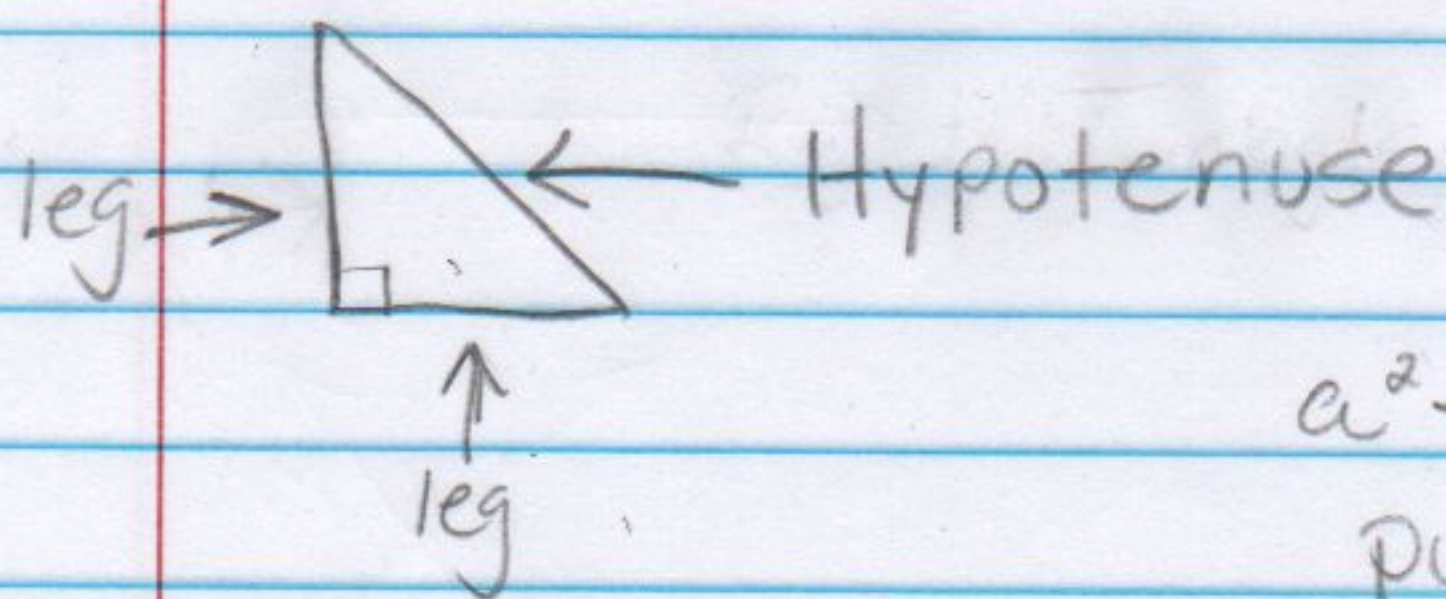


David Rosado
Sept 8

Right Triangle



$$a^2 + b^2 = c^2$$

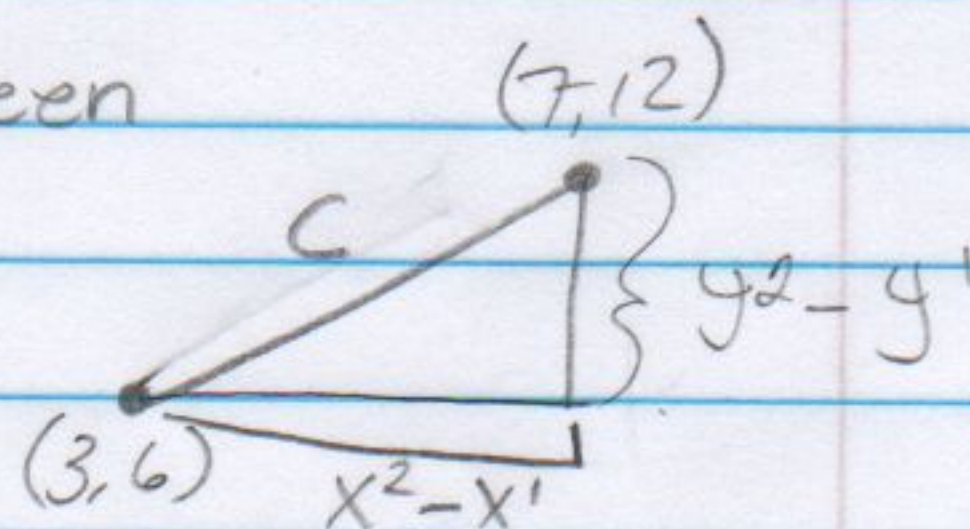
Pythagorean
Theorem

Distance formula

Find the distance between

$$A(x_1, y_1)$$

$$B(x_2, y_2)$$



$$a^2 + b^2 = c^2$$

$$(x_2 - x_1)^2 + (y_2 - y_1)^2 = c^2$$

$$C = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

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(1, 4) and (3, -2)

$$C = \sqrt{(2)^2 + (-6)^2}$$

$$C = \sqrt{4 + 36}$$

$$C = \sqrt{40}$$

$$C = 6.2$$