

Situation d'Apprentissage

$y^2 =$ Cela s'écrit aussi

$y \times y =$

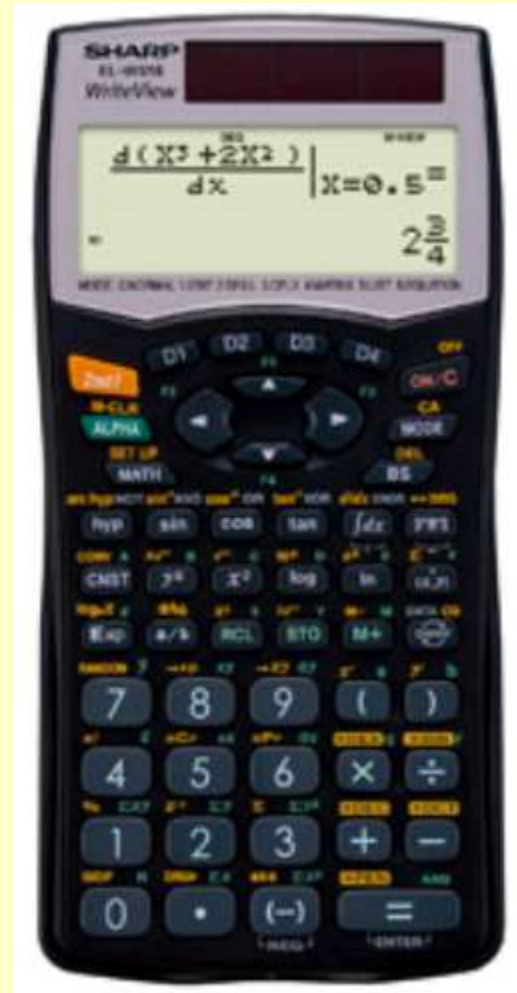
Priorité des opérateurs

$5^2 =$ $-5^2 =$

$5 \times 5 = 25$ $-5 \times 5 = -25$

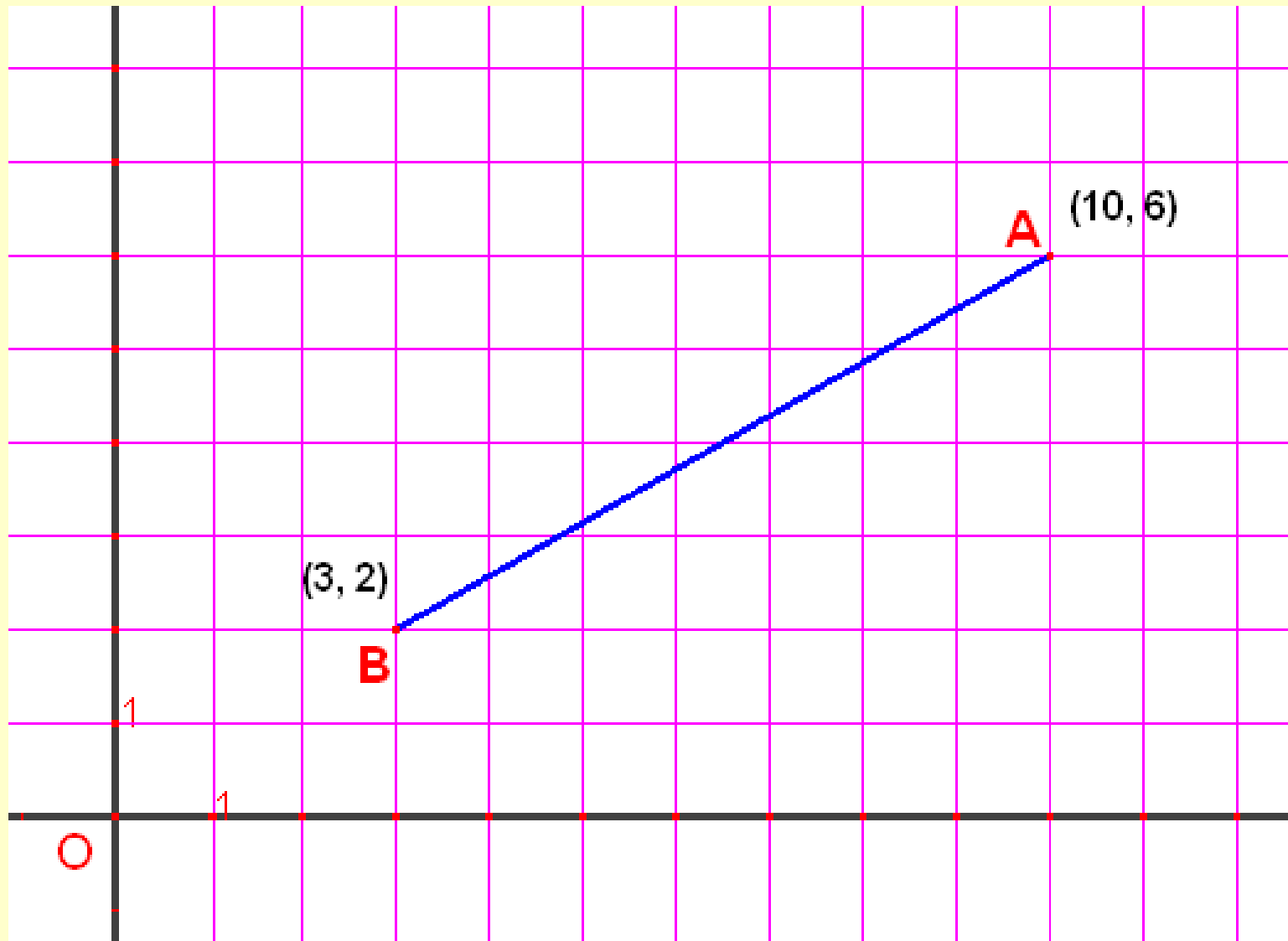
$(-5)^2 =$

$(-5) \times (-5) = 25$

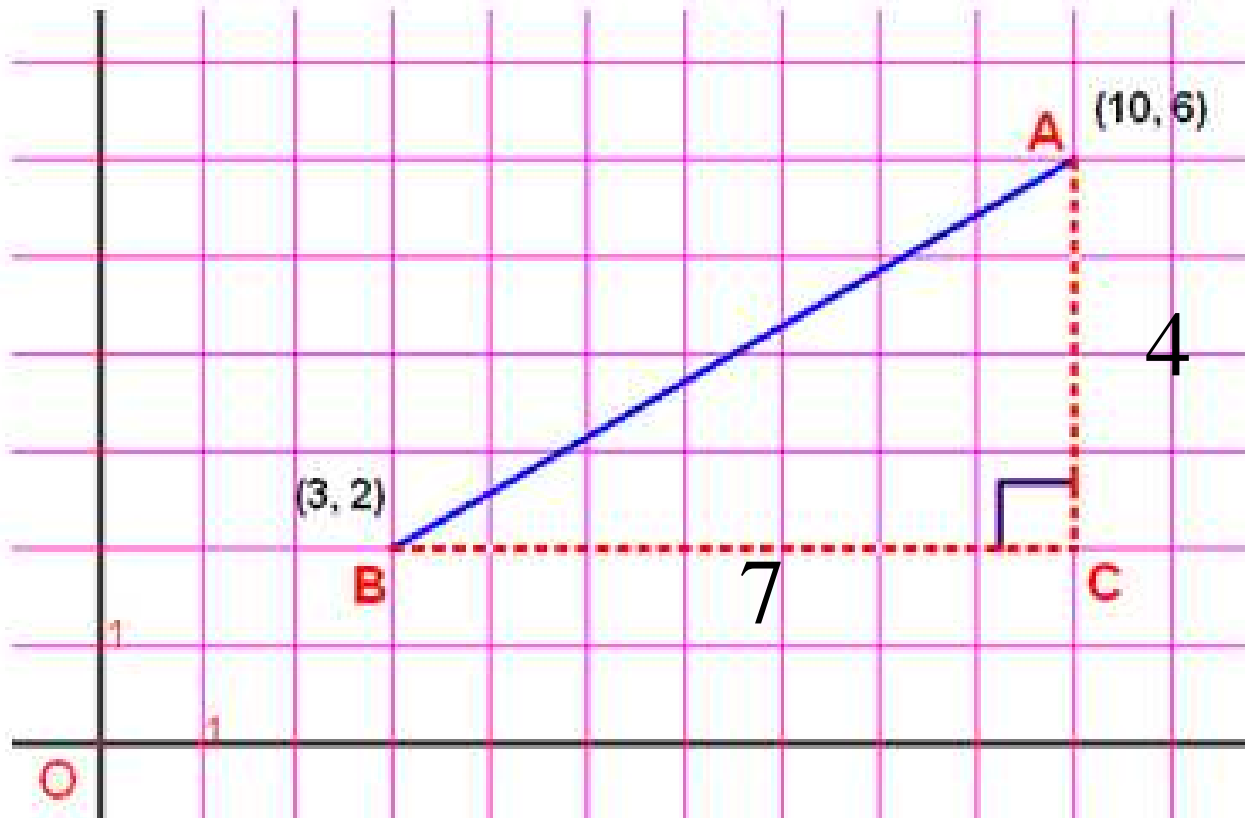


Conjecture

Trouvez la longueur du segment.



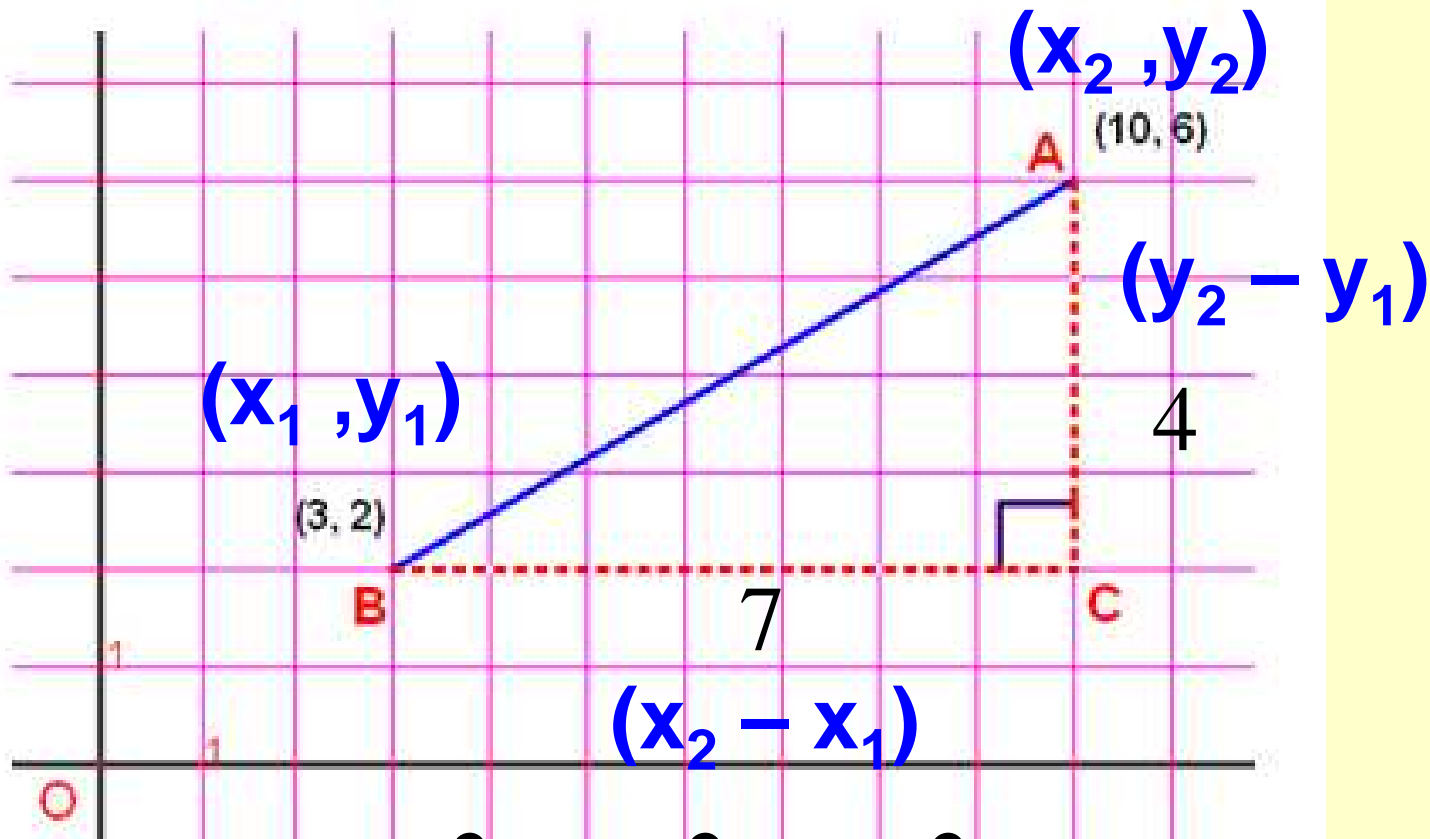
Possible avec Pythagore



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

$$c^2 = 4^2 + 7^2$$

$$c \approx 8,06$$



$$c^2 = a^2 + b^2 \quad \text{Conjecture}$$

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

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

$$d(A, B) = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

Chapitre 5.1

Trouve la distance AB

$$d(A, B) = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$d(A, B) = \sqrt{(8 - -1)^2 + (7 - 2)^2}$$

$$d(A, B) = \sqrt{(9)^2 + (5)^2}$$

$$d(A, B) = \sqrt{81 + 25}$$

$$d(A, B) = \sqrt{106}u$$

A(-1, 2)
(x_1, y_1)

B(8, 7)
(x_2, y_2)

