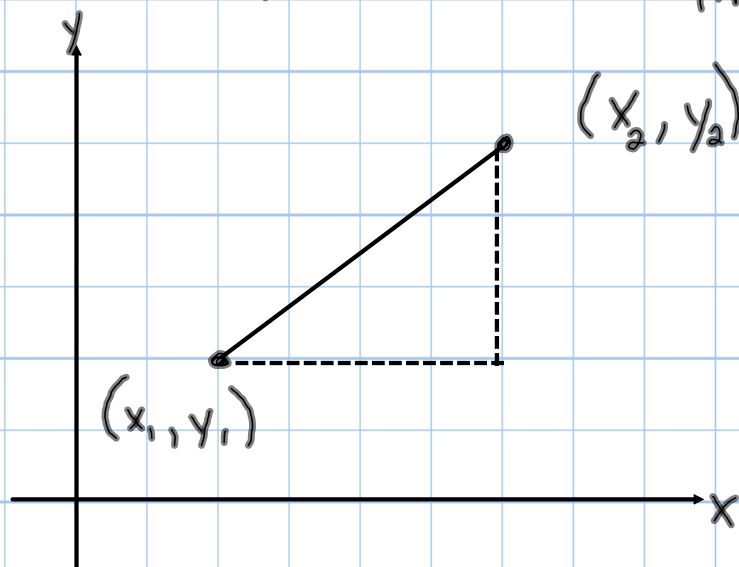


## DISTANCE

APRIL 28/09



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

Ex. FIND THE DISTANCE BETWEEN THE POINTS  $(6, -3)$  &  $(0, 8)$

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

$$d = \sqrt{(0 - 6)^2 + (8 - (-3))^2}$$

$$d = \sqrt{(-6)^2 + (11)^2}$$

$$d = \sqrt{36 + 121}$$

$$d = \sqrt{157}$$

$$d = 12.53 \text{ units}$$