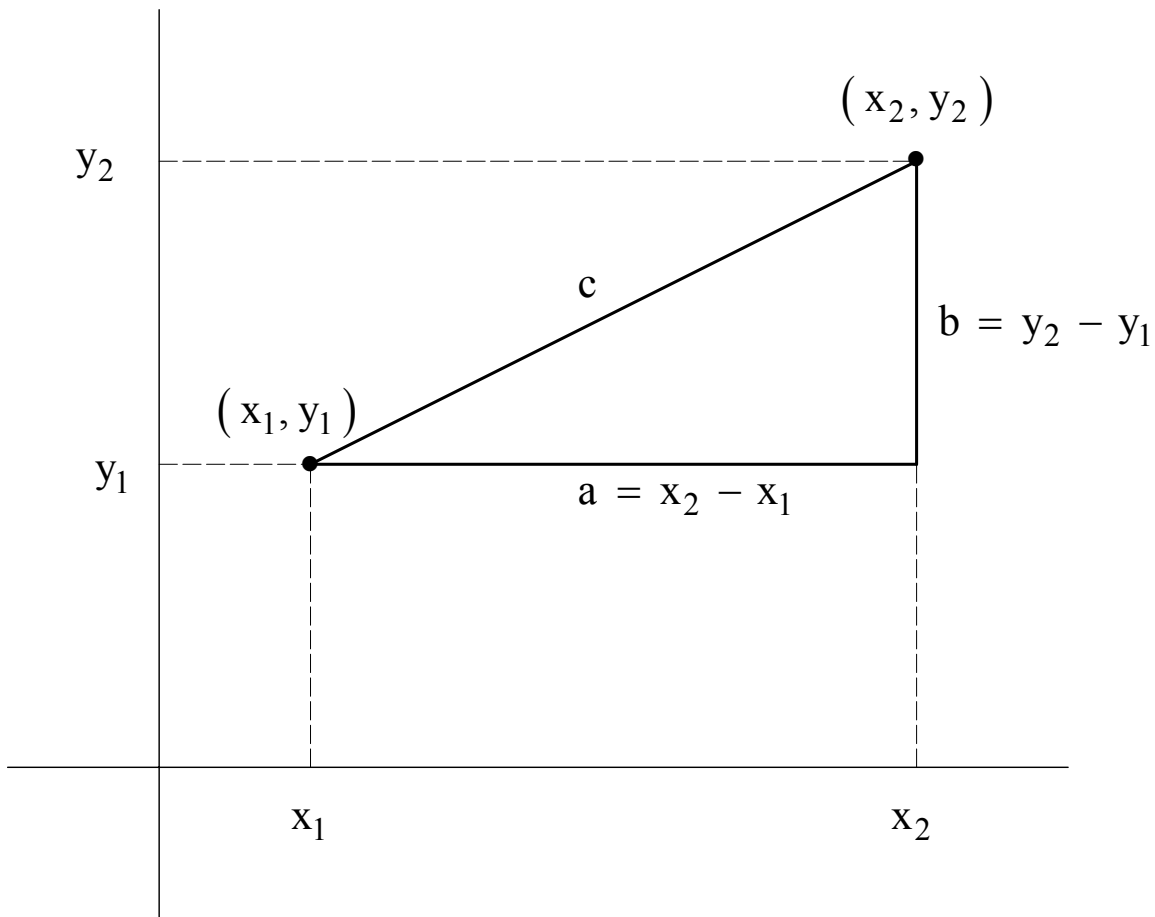


Distance Between Two Points



The Pythagorean Theorem

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

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

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

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

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