

dist. between
2 points

Segm. dist
P+2

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

P+1

P+2

(2, 5)
 x_1, y_1

(-3, 2)
 x_2, y_2

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

$$d = \sqrt{(2 - (-3))^2 + (5 - 2)^2}$$

$$d = \sqrt{(5)^2 + (3)^2}$$

$$d = \sqrt{25 + 9}$$

$$d = \sqrt{34}$$

Formula

Subst
prop.

P