

Correct. Given the points $(1, 2)$ and $(5, -1)$, the distance between them is

$$\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2} = \sqrt{(1 - 5)^2 + (2 - (-1))^2} = \sqrt{(-4)^2 + (3)^2} = \sqrt{16 + 9} = \sqrt{25} = 5.$$