Distance Formula

L1S1

Example: Find the distance between the points (5, -1) and (3, 7).

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

= $\sqrt{(3 - 5)^2 + (7 + 1)^2}$
= $\sqrt{(-2)^2 + (8)^2}$ = $\sqrt{4 + 64}$ = $\sqrt{68}$ \approx 8.25 units

Find the distance between the points. Round the answer to two decimal places.