

Coordinate Geometry Unit Exam: Question 29

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The following steps show how to find the distance between $(-6, 7)$ and $(-1, -5)$.

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2} \quad (1)$$

$$d = \sqrt{(-1 - (-6))^2 + (-5 - 7)^2} \quad (2)$$

$$d = \sqrt{(5)^2 + (-12)^2} \rightarrow \sqrt{25 + 144} = 13 \quad (3)$$

(4)