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MATH@TD

Distance

Course: Grade 10 Mathematics

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Distance can be solved using the following formulas with A (x_1, y_1) and B (x_2, y_2):

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

$$2. \quad D=\sqrt{(\Delta x)^2+(\Delta y)^2}$$

Generally, option 1 is most easily used when you are given two points in writing. Option 2 is most easily utilized with a graph.

Find the distance of a line with endpoint A (-2, 5) and B (3, -1):

Find the length of line CD.