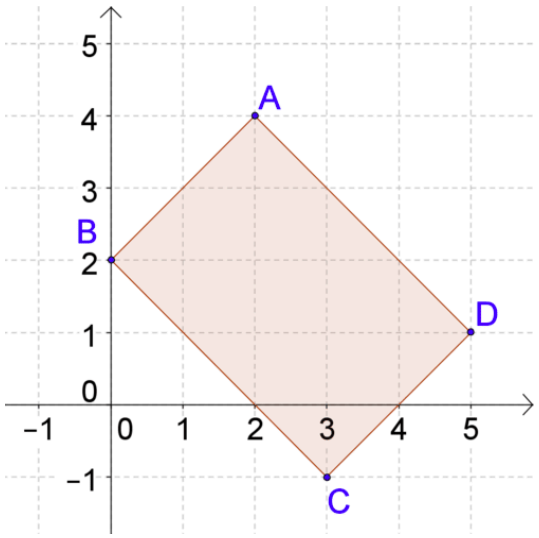
DISTANCE FORMULA - PRACTICE PROBLEMS:

The distance formula:

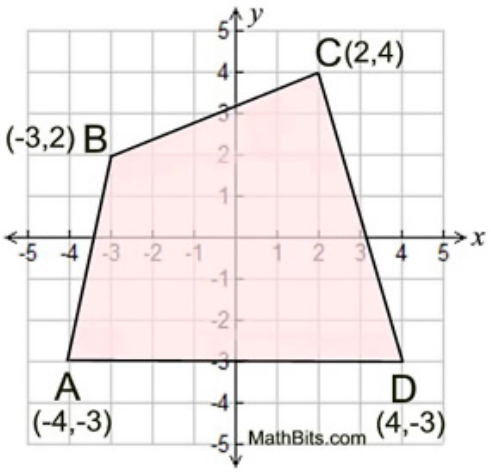
$$c = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

#1. Find the perimeter of rectangle *ABCD*. (*perimeter* = length around the outside of the shape)



#2.

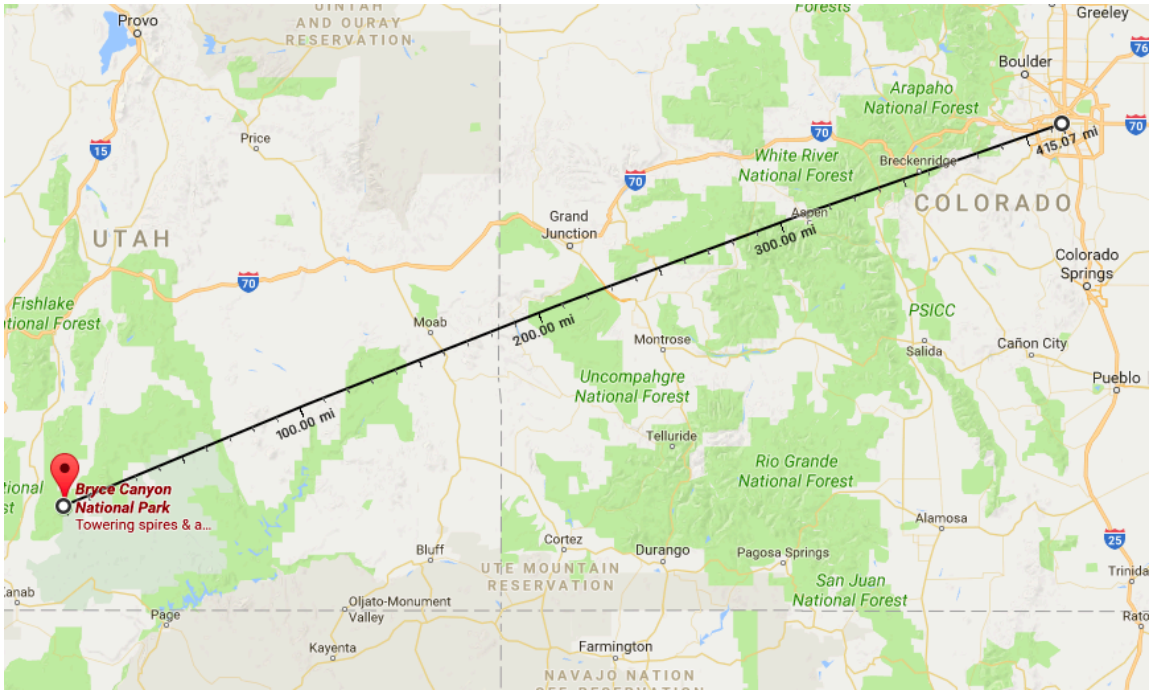
Find the perimeter of ABCD.



#3. Challenge Problem

The coordinates of Bryce Canyon on the map below are (0, 0). The coordinates of Dever, CO (the white dot at the end of the diagonal on the map) are (397, ***y***)

(a) Find the value of ***y.*** (round it to the nearest whole number)



(note that under the white circle where Denver is, it gives the distance = 415.07 miles)

(b) If we changed the origin of the graph to Los Angeles, CA (so now L.A. is the point (0,0)) then the coordinates of Bryce Canyon would be (323, 235), What would the coordinates of Denver, CO be? (round it to the nearest whole number)

Congratulations, you finished!

Email me to tell me:

(a) you did it, and
(b) how well you think you understand this now on a scale of 1 - 5
(where 5 = "I totally understand it" and 1 = "I have no idea at all how to do this")

- *Mr. Leg*

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(you can also you the "Contact Me" page on my website)