QQ7

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0 points possible (ungraded)

In the OfficeMin example, suppose that the distribution center is located in the top center of the area. That is, if we were using coordinates with the lower left corner being (0,0) and the upper right corner being (8,14) the new DC would be at (4,14). What is the new estimated linehaul distance from this location? Ignore the circuity factor for this problem.

7.28011 ✔ **Answer:** 7.3

Explanation

If we are located in the top center, then we have 2 identical regions. Each of the regions are 4 miles wide and 14 miles long. Therefore, the expected or average linehaul distance would become:

$\sqrt{2^2 + 7^2} = \sqrt{53} = 7.280$ ~ 7.3 miles

Similarly, suppose the DC is located at the upper right corner (8, 14). The new expected linehaul distance would be:

$\sqrt{4^2 + 7^2} = \sqrt{65} = 8.06$ miles

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Answers are displayed within the problem

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no. of regions
I don't understand why we use in the answer have 2 regions. What if the localization of the DC is let say i... 2

How should I answer this question?
What is the meaning of the symbol \(\) below the answer field? What should answer? The values in x, y, a... 2