

NC EMPT'S
QUESTION?
of the week

A rectangle has a length that is 9 feet longer than it is wide. If the area of the rectangle is 90 square feet, find the length.

- A. 6 ft B. 10 ft C. 14 ft D. 15 ft E. 18 ft

Last Week's Answer

If the coordinates of one endpoint of a line segment are (2,6) and the midpoint of the segment is (-3,6), what are the coordinates of the other endpoint of the segment?

- A. (-8,6) B. (7,6) C. (2,1) D. $(-\frac{1}{2},6)$ E. 5

Solution:

for the x-coordinate:

$$\frac{2+x}{2} = -3$$

$$2+x = -6$$

$$x = -8$$

for the y-coordinate:

$$\frac{6+y}{2} = 6$$

$$6+y = 12$$

$$y = 6$$

Each week, we'll reveal the answer to the previous week's question!

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