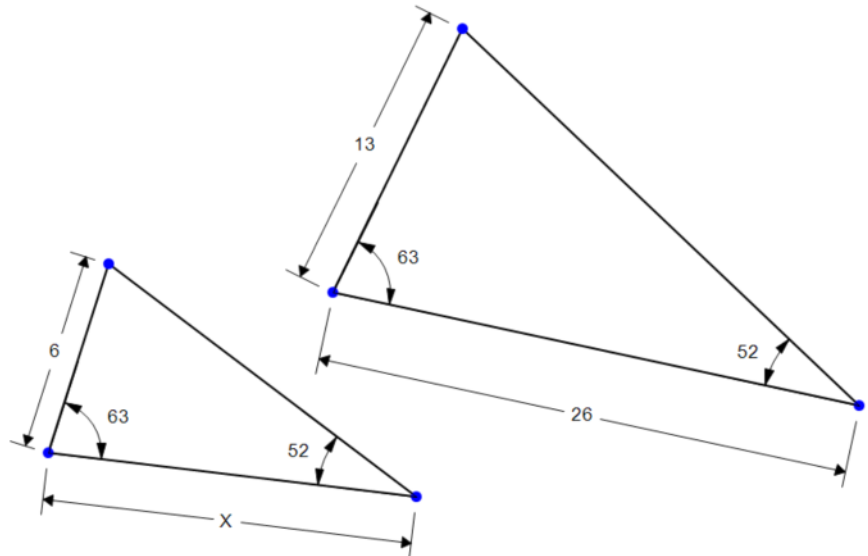


## Topic 7 Quiz Review

Monday, September 23, 2019 7:46 AM

6 total questions

The following triangles are similar. Find the measure of  $x$ .



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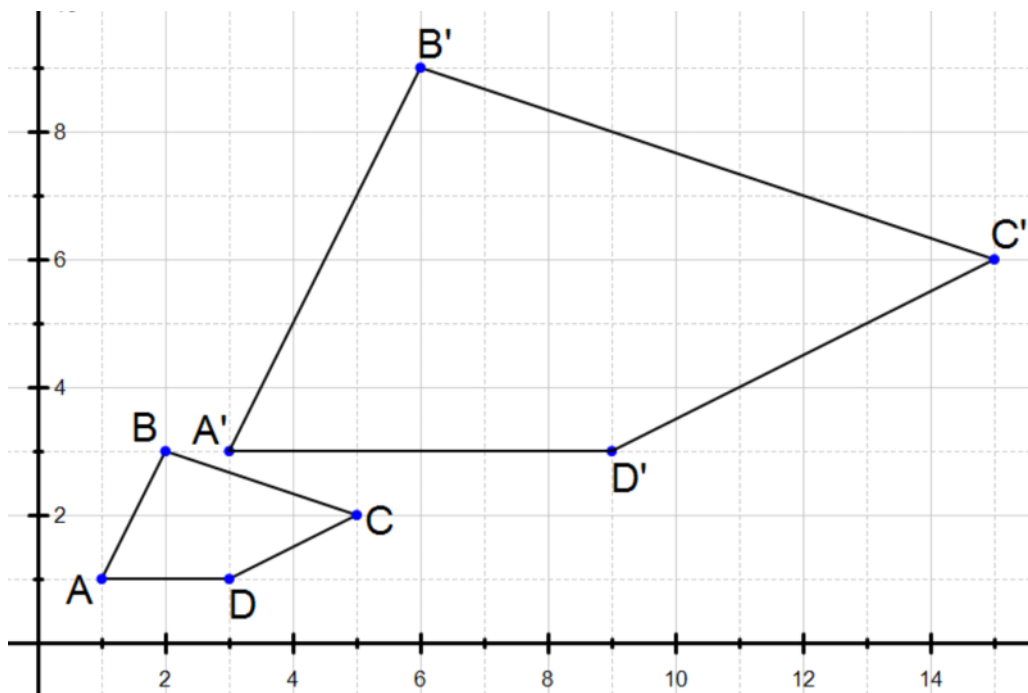
The lengths of the first triangle are 12, 16, and 20. The shortest side of a similar triangle is 4.5. What is the length of the longest side in the similar triangle?

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In two similar triangles they have larger of the two triangles has a side length of 24 and the correlating side in the smaller is 16. If the perimeter of the larger is 36 what is the perimeter of the smaller?

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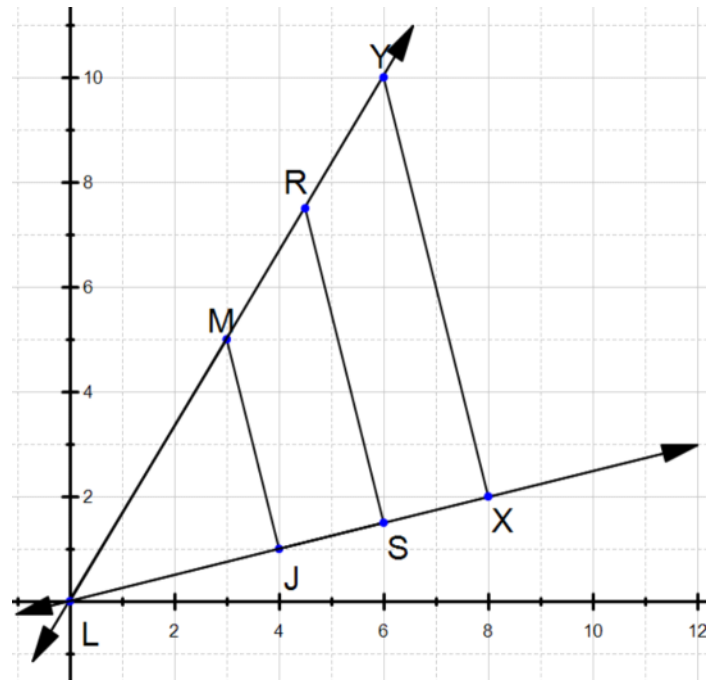
What is the scale factor shown in the graph?



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Which of the following must be true about the scale factor,  $k$ , and the dilations?

- A. If  $k > 1$  then RS is the image of YX.
- B. If  $k < 1$  then RS is the image of MJ.
- C. If  $0 < k < 1$  then RS is the image of YX.
- D. If  $k = 1.5$  then YX is the image of RS.



Find the vertices of the shape after the following transformation and draw the image on the graph.

$$(D_{1.5} \circ T_{\langle 2, -2 \rangle})(QRST)$$

