

# White Board Review

Skill Review #8-10

# True or False

1. You need to know 3 angles of a triangle to determine that two triangles are similar. (AAA)
2. An isometry is a dilation.
3. If I want to translate an image 5 units left and 2 units up, I would write  $(x, y) \rightarrow (x - 5, x + 2)$ .

**4. A  $180^\circ$  rotation is the same as a reflection over the x and y axis.**

**5. If I am checking two polygons to see if they are similar, I check to make sure they have congruent angles, and congruent sides.**

**6. Solve for  $x$ .**

$$\frac{7}{4} = \frac{2x + 7}{2}$$

**7. Three angles that add up to  $180^\circ$  are in the extended ratio 7:2:3. Find the measure of the smallest angle.**

# True or False?

8.) All trapezoids are similar.

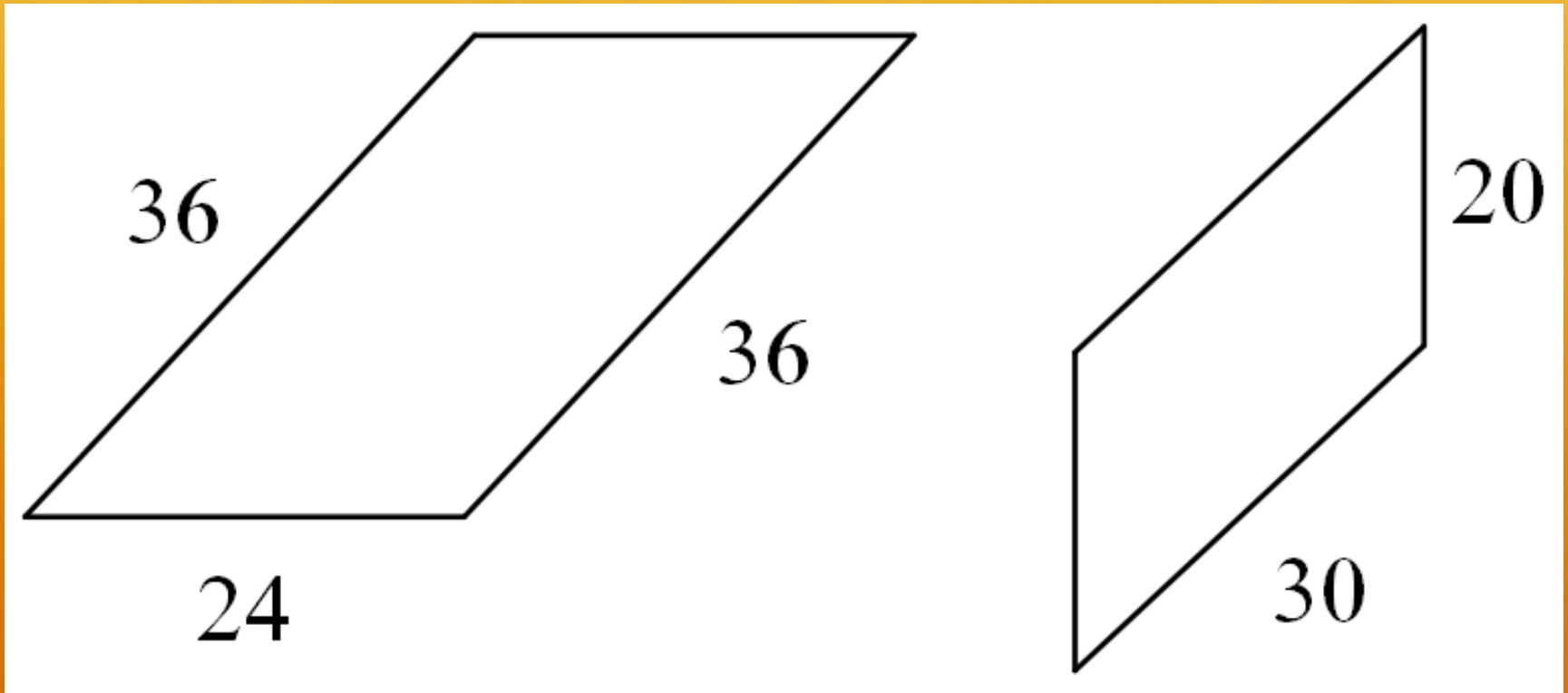
9.) All squares are similar.

10.) All isosceles triangles are similar.

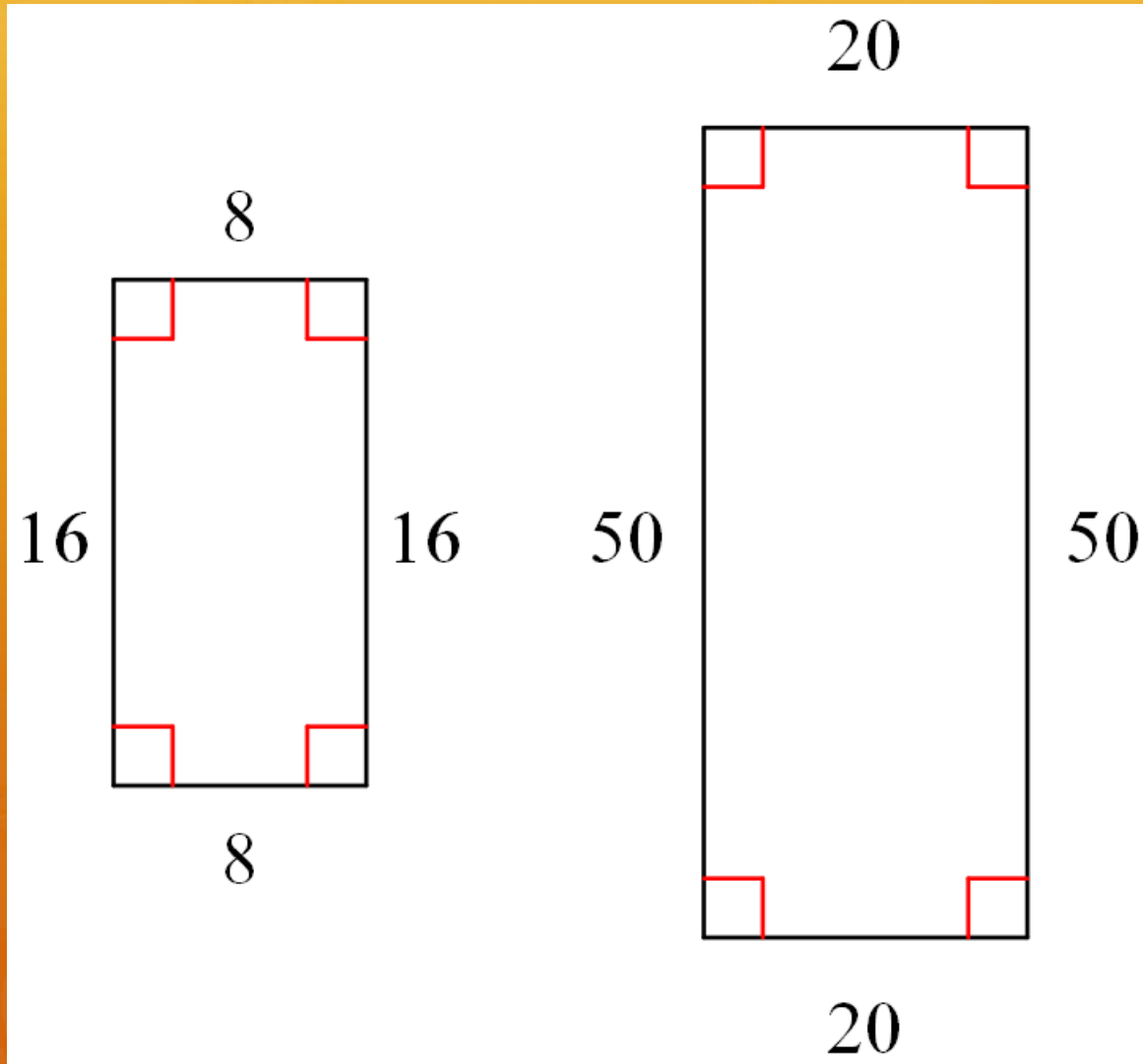
11.) Congruent and similar mean the same thing.

12.) A scale factor can be a decimal or fraction.

13. Name the scale factor of the smaller shape to the larger one

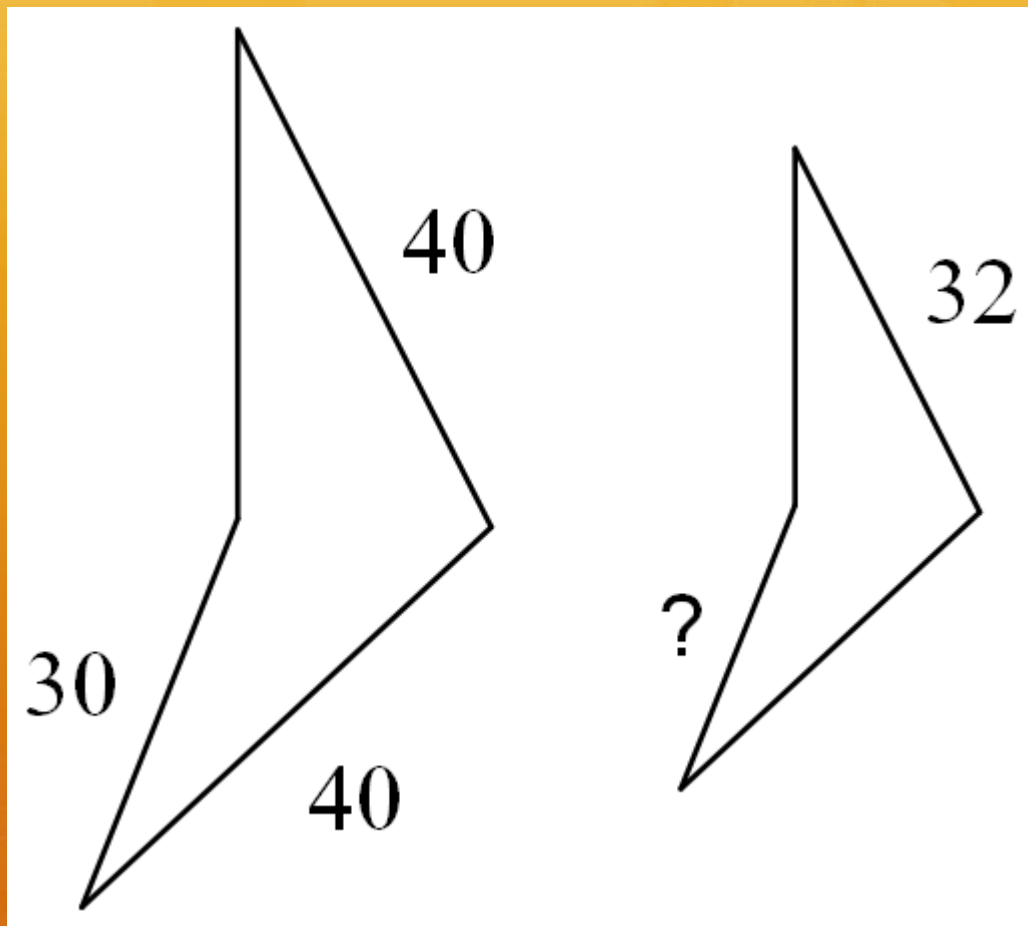


14. Are the following figures similar?

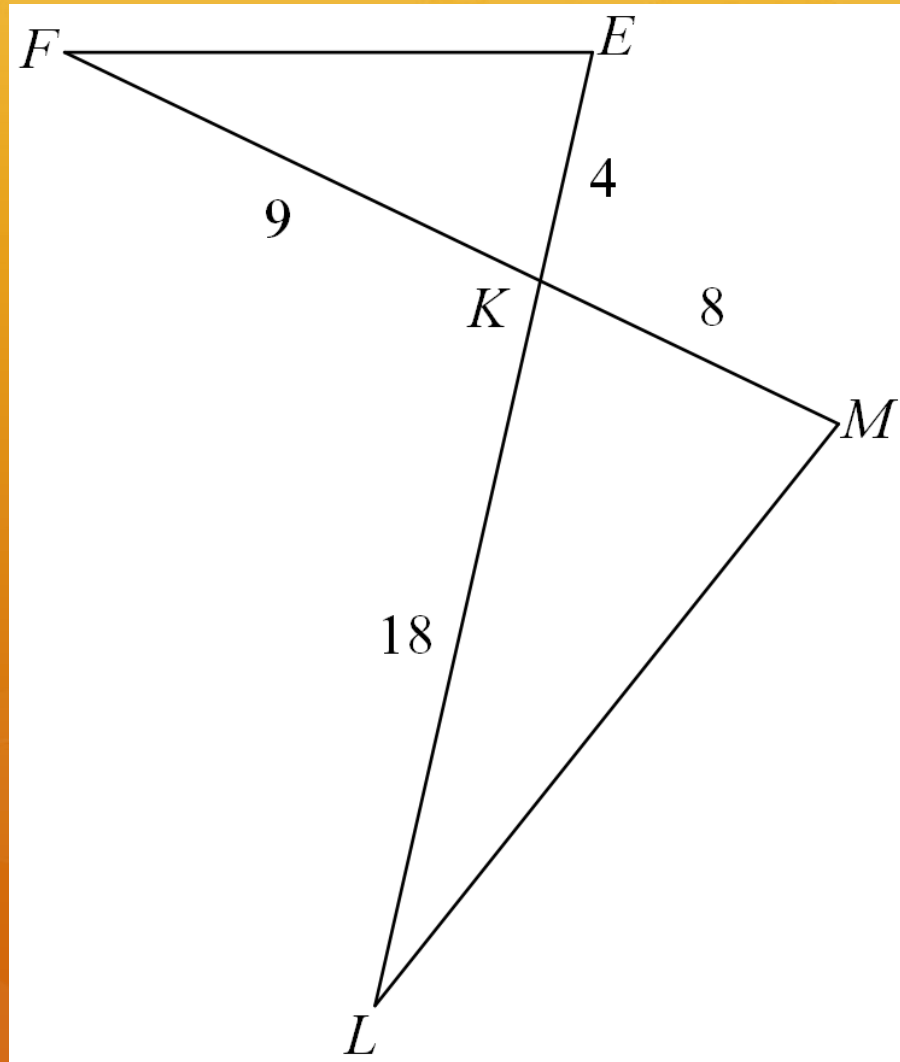




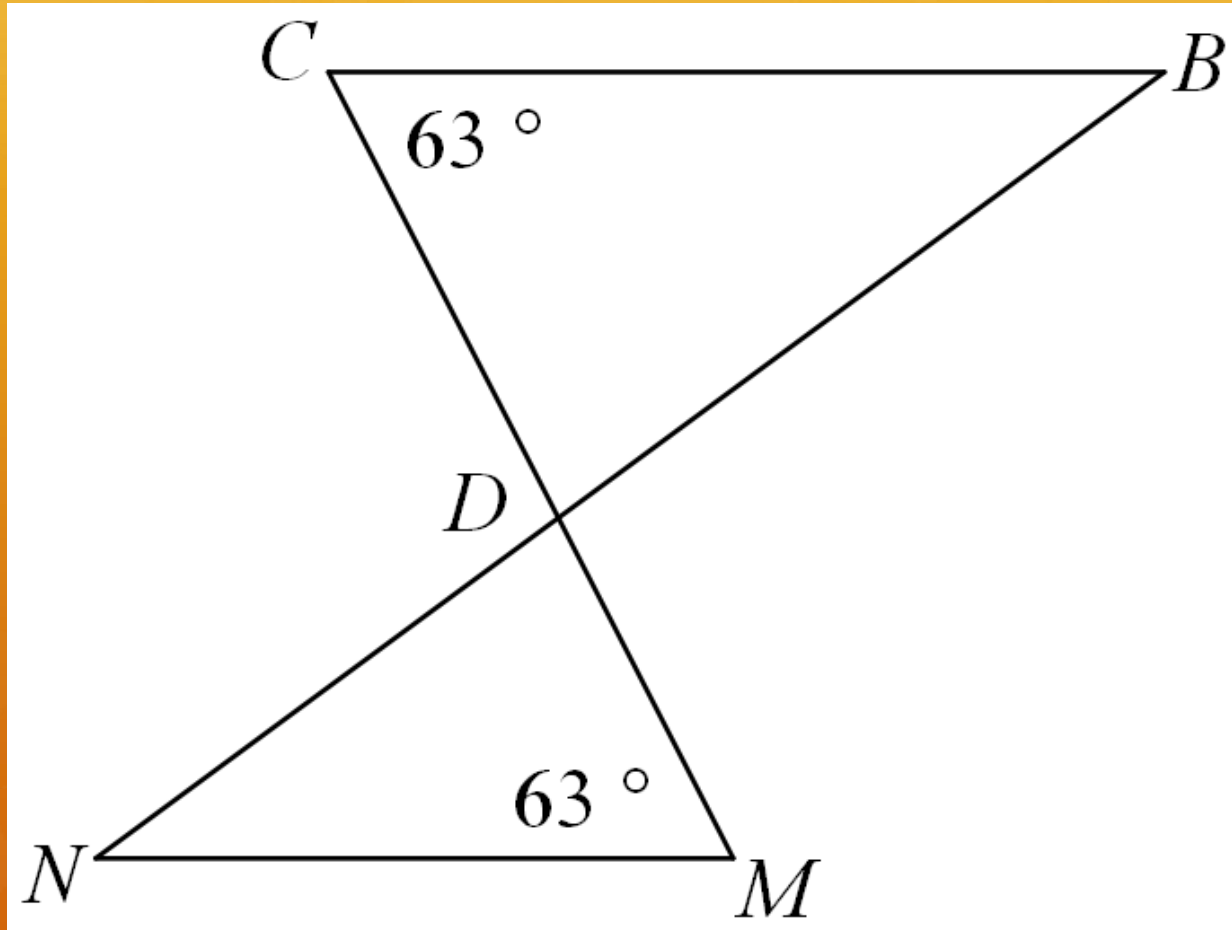
15. The following figures are similar. Find the missing side length.



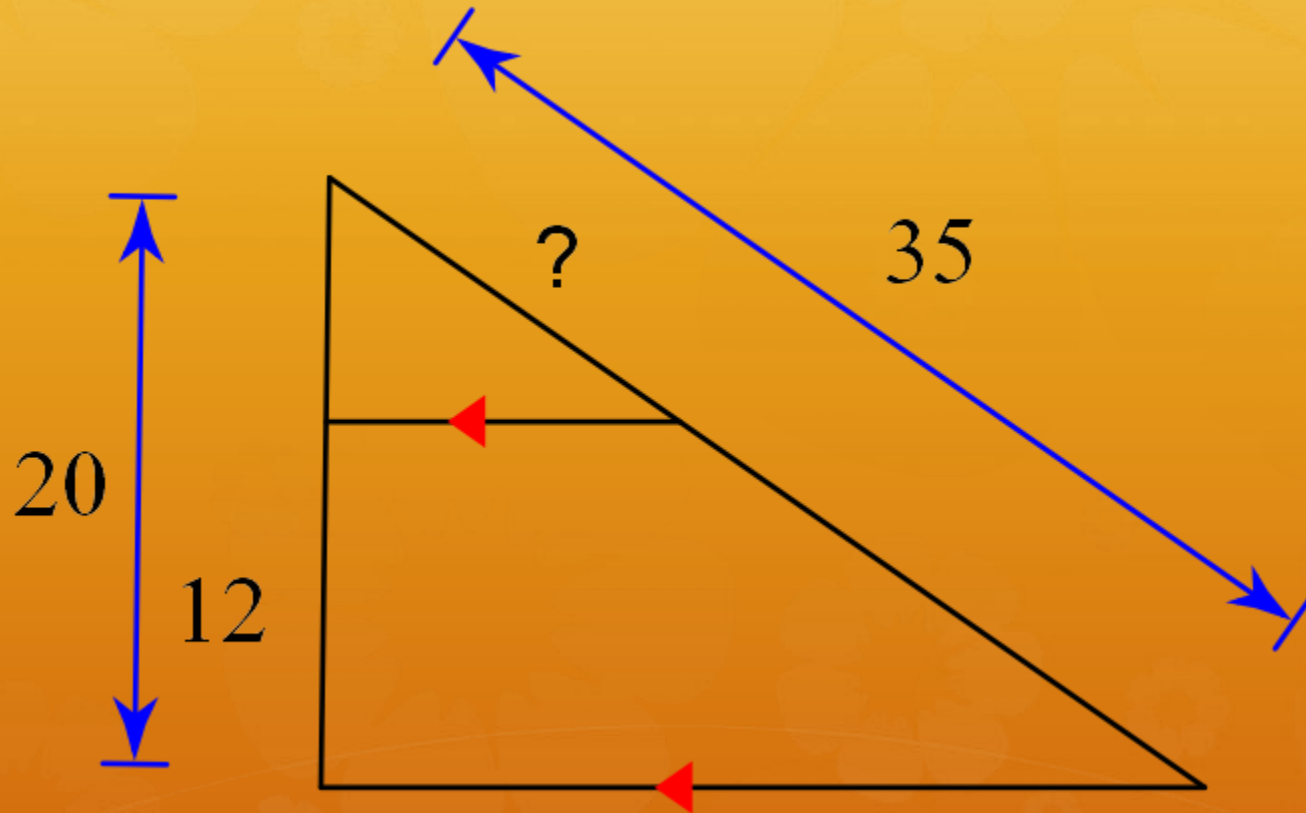
16. State if the triangles are similar. If so, state how.



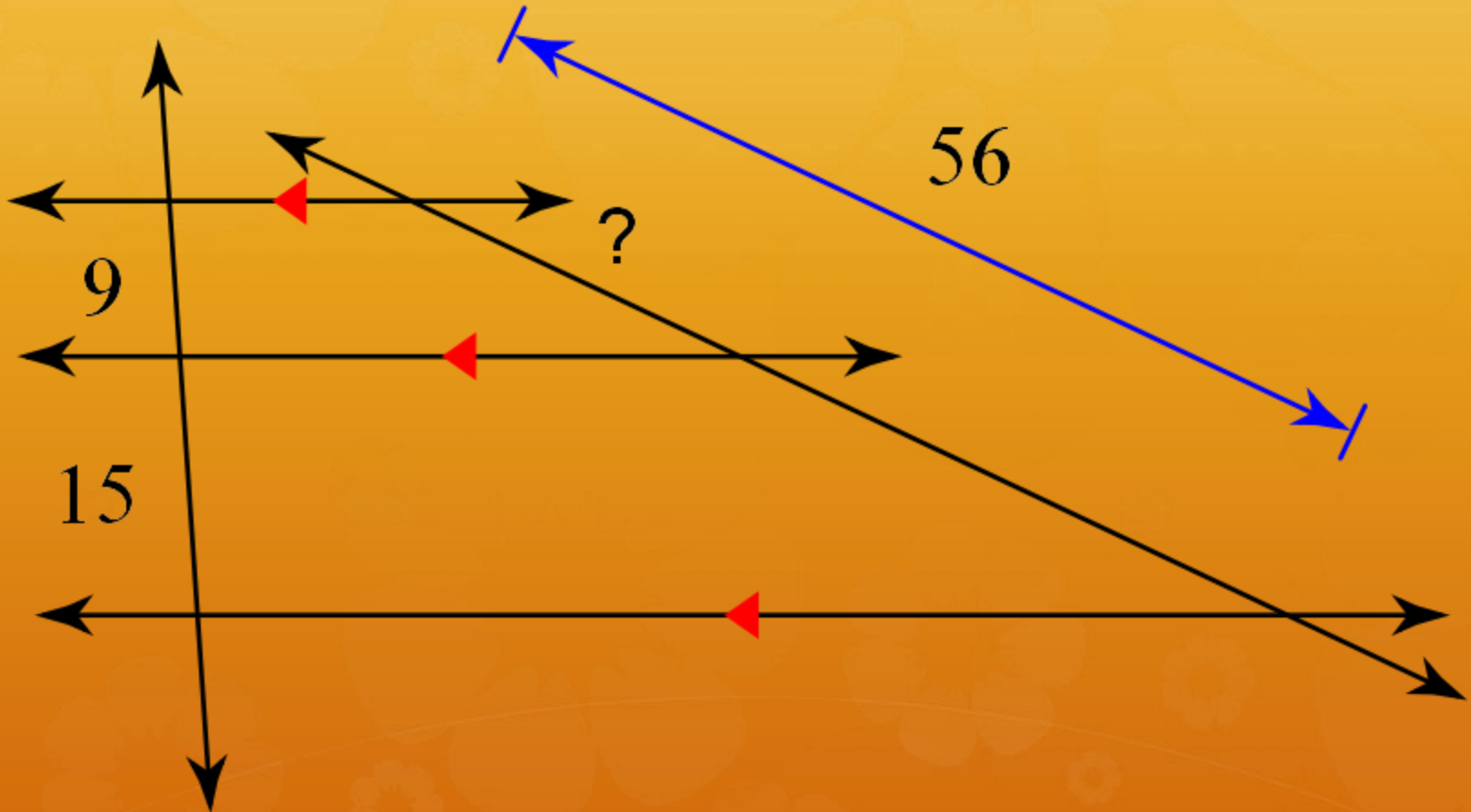
17. State if the triangles are similar. If so, state how.



18. Find the indicated value.



19. Solve for the missing value.



20. Solve for  $x$ .

