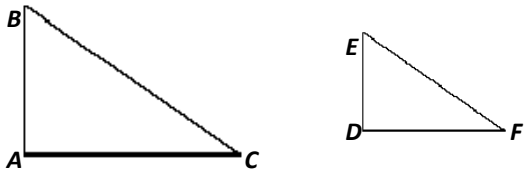
Similar Figures

Two figures are similar if they are the same shape but not necessarily the same size.



$$\triangle ABC \sim \triangle DEF$$

Corresponding Angles are Congruent

Corresponding Sides are in Proportion

What is the ratio of $\triangle ABC$ to $\triangle DEF$?

What is the ratio of $\triangle DEF$ to $\triangle ABC$?

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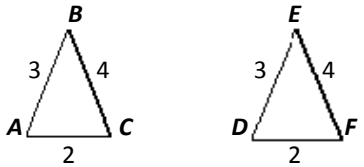
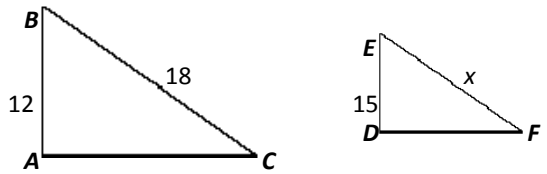
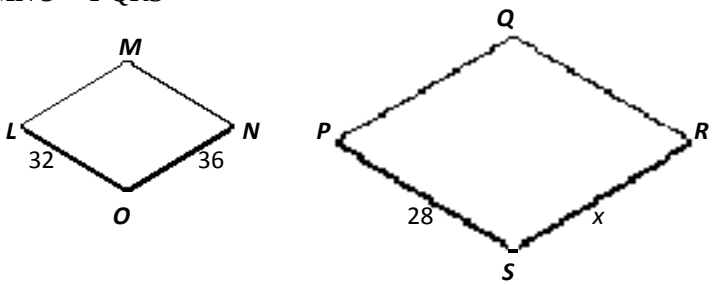


Directions: Find the value of *x*.

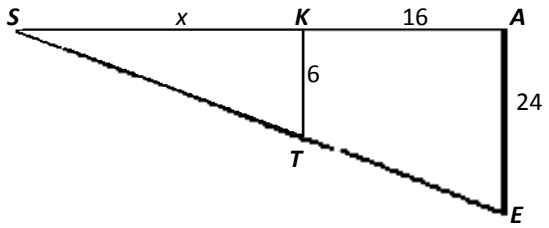
1. $\triangle ABC \sim \triangle DEF$



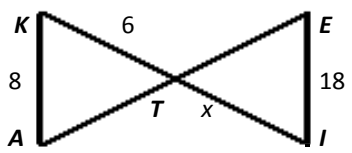
2. *LMNO* ~ *PQRS*



3. $\triangle SKT \sim \triangle SAE$



4. $\triangle KAT \sim \triangle IET$



5. *LRIN ~ ORAE*