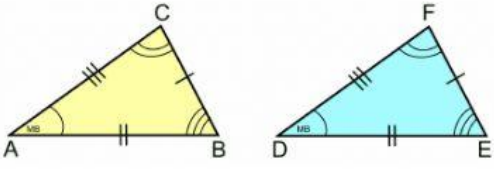
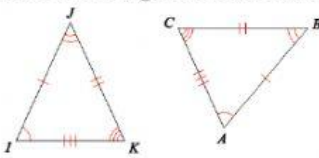
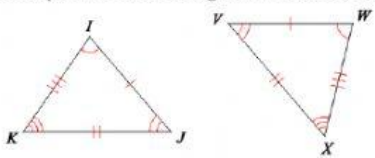


Congruent and Similar Triangles

Congruent Triangles

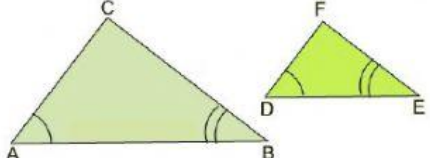
Congruent triangles are triangles with the same shape and the sides are congruent

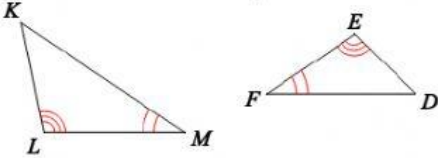
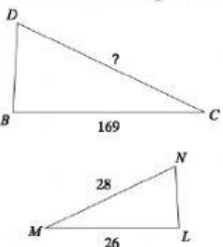
 <p>Notation: $\triangle ABC \cong \triangle DEF$</p> <p>Words:</p>	<p>Angles</p> <p>$\angle A \cong \angle \underline{\hspace{1cm}}$</p> <p>$\angle B \cong \angle \underline{\hspace{1cm}}$</p> <p>$\angle C \cong \angle \underline{\hspace{1cm}}$</p>	<p>Sides</p> <p>$AB \cong \underline{\hspace{1cm}}$</p> <p>$BC \cong \underline{\hspace{1cm}}$</p> <p>$CA \cong \underline{\hspace{1cm}}$</p>
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EXAMPLES	<p>Write the congruence statement</p>  <p>$\triangle \underline{\hspace{1cm}} \cong \triangle \underline{\hspace{1cm}}$</p>	<p>Complete each congruent statement</p>  <p>$IK = \underline{\hspace{1cm}}, KJ = \underline{\hspace{1cm}}, JI = \underline{\hspace{1cm}}$</p>
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Similar Triangles

Similar triangles are triangles with the same shape and the sides are proportional

 <p>Notation: $\triangle ABC \sim \triangle DEF$</p> <p>Words:</p>	<p>Scale Factor (k)</p> <p>The number by which all the sides are multiple by</p>	<p>Angles</p> <p>$\angle A \cong \angle \underline{\hspace{1cm}}$</p> <p>$\angle B \cong \angle \underline{\hspace{1cm}}$</p> <p>$\angle C \cong \angle \underline{\hspace{1cm}}$</p>	<p>Sides</p> <p>$AB = \underline{\hspace{1cm}}$</p> <p>$BC = \underline{\hspace{1cm}}$</p> <p>$CA = \underline{\hspace{1cm}}$</p>
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EXAMPLES	<p>Write the similarity statement</p>  <p>$\triangle \underline{\hspace{1cm}} \sim \triangle \underline{\hspace{1cm}}$</p>	<p>Find the missing side: $\triangle BCD \sim \triangle LMN$</p>  <p>$\underline{\hspace{1cm}} = \underline{\hspace{1cm}}$</p> <p>$\underline{\hspace{1cm}} = \underline{\hspace{1cm}}$</p>
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