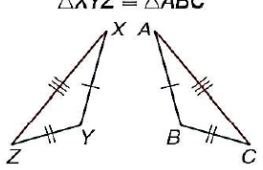
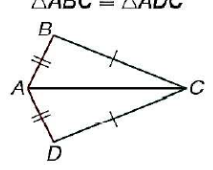
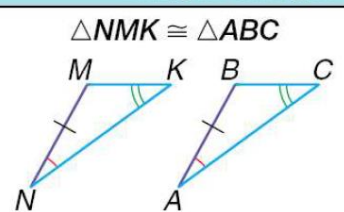
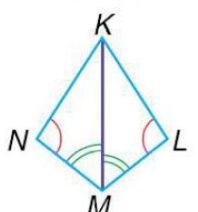


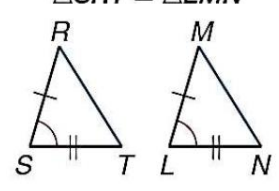
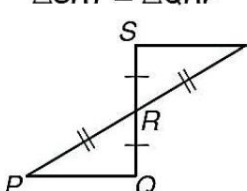
Unit 3 Midterm Review

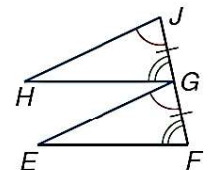
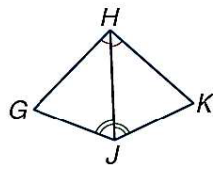
Congruent Triangles

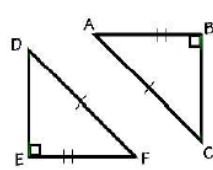
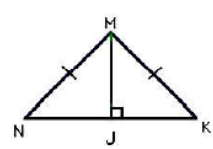
****REMEMBER: Congruent is different from similar!!!**

<p>SSS</p> <p>If the three sides of one triangle are congruent to the three sides of a second triangle, then the two triangles are congruent.</p>	<div style="border: 1px solid black; background-color: #e0f2f1; padding: 2px; margin-bottom: 5px; display: inline-block;">Side-Side-Side (SSS)</div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> $\triangle XYZ \cong \triangle ABC$  </div> <div style="text-align: center;"> $\triangle ABC \cong \triangle ADC$  </div> </div>
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<div style="border: 1px solid black; background-color: #e0f2f1; padding: 2px; margin-bottom: 5px; display: inline-block;">Angle-Angle-Side (AAS)</div>	<p>If two angles and a <u>nonincluded</u> side of one triangle are congruent to two angles and the corresponding <u>nonincluded</u> angle of a second triangle, then the two triangles are congruent.</p>
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> $\triangle NMK \cong \triangle ABC$  </div> <div style="text-align: center;"> $\triangle NMK \cong \triangle LMK$  </div> </div>	

<div style="border: 1px solid black; background-color: #e0f2f1; padding: 2px; margin-bottom: 5px; display: inline-block;">Side-Angle-Side (SAS)</div>	<p>If two sides and the <u>included</u> angle of one triangle are congruent to two sides and the <u>included</u> angle of a second triangle, then the two triangles are congruent.</p>
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> $\triangle SRT \cong \triangle LMN$  </div> <div style="text-align: center;"> $\triangle SRT \cong \triangle QRP$  </div> </div>	

<div style="border: 1px solid black; background-color: #e0f2f1; padding: 2px; margin-bottom: 5px; display: inline-block;">Angle-Side-Angle (ASA)</div>	<p>If two angles and the <u>included</u> side of one triangle are congruent to two angles and the <u>included</u> side of a second triangle, then the two triangles are congruent.</p>
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> $\triangle GHJ \cong \triangle FEG$  </div> <div style="text-align: center;"> $\triangle GHJ \cong \triangle KHJ$  </div> </div>	

<p>HL</p> <p>If the hypotenuse and a leg of one right triangle is congruent to the hypotenuse and a leg of another right triangle, then the triangles are congruent</p>	<div style="border: 1px solid black; background-color: #e0f2f1; padding: 2px; margin-bottom: 5px; display: inline-block;">Hypotenuse-Leg (HL)</div>
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> $\triangle DEF \cong \triangle CBA$  </div> <div style="text-align: center;"> $\triangle NMJ \cong \triangle KMJ$  </div> </div>	