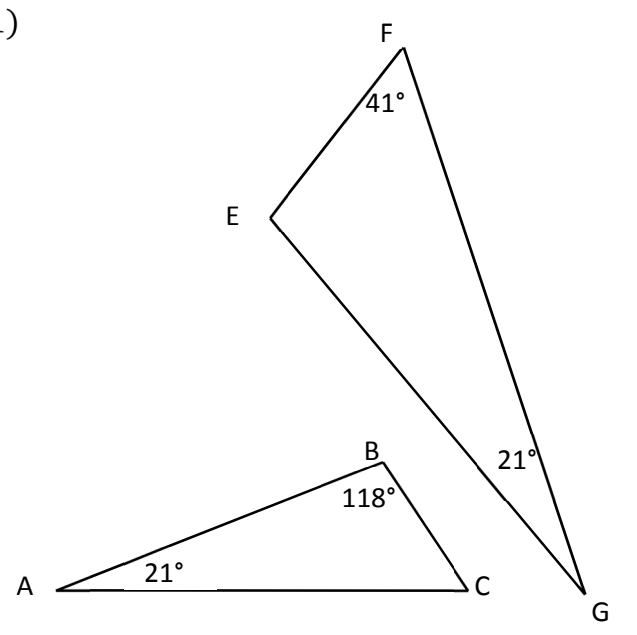
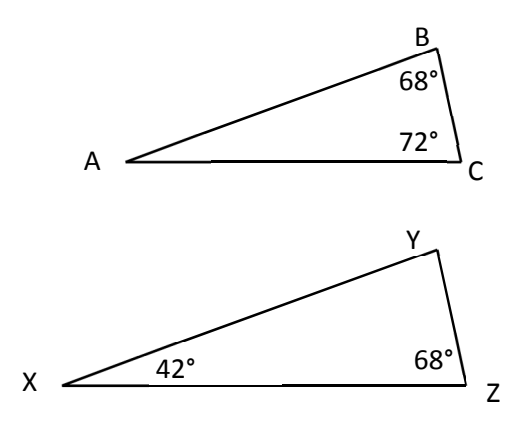
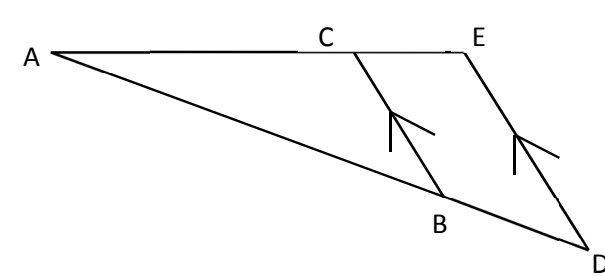
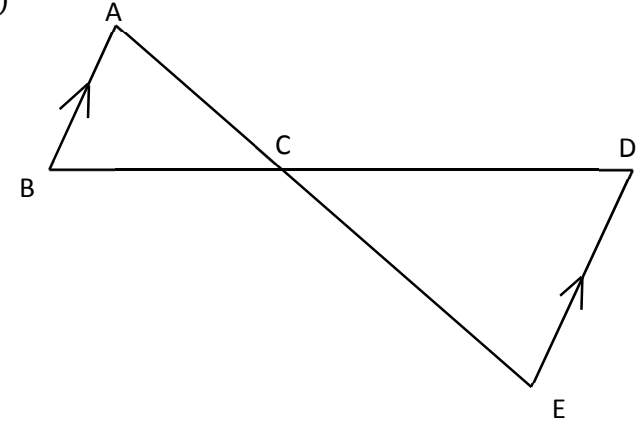


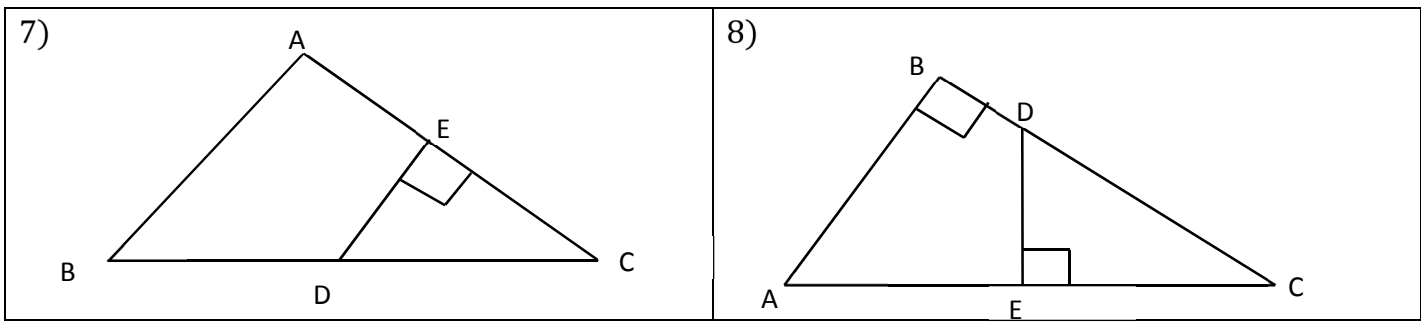
Unit 6: Triangle Geometry Day 1

Math 9 Principles

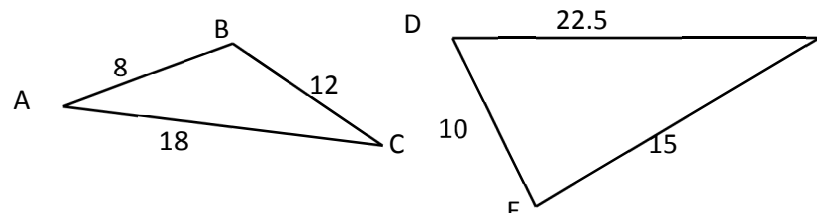
6-1 I can recognize similar triangles using the Angle Test, the Side Ratio Test, and the Side-Angle test.

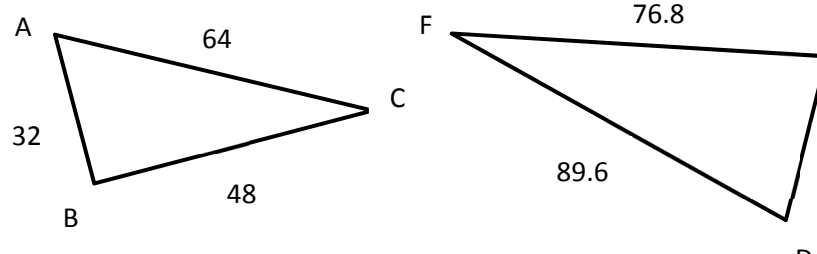
Make the correct statement of similarity in each, unless they are not similar.

<p>1)</p> 	<p>2)</p> 
<p>3)</p> 	<p>4)</p> 
<p>5) In $\triangle ABC$, $\angle A = 38^\circ$, $\angle B = 42^\circ$. In $\triangle DEF$, $\angle D = 42^\circ$, $\angle E = 102^\circ$.</p>	<p>6) In $\triangle ABC$, $\angle A = 53^\circ$, $\angle C = 19^\circ$. In $\triangle DEF$, $\angle D = 108^\circ$, $\angle F = 53^\circ$.</p>



Compute the corresponding side ratios and make the statement of similarity or state "not similar".

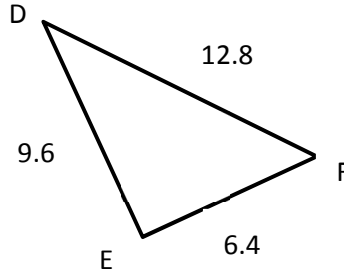
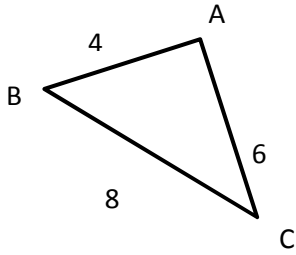
<p>9)</p> 	<p>Corresponding Side Ratios</p>
<p>Similarity: _____</p>	

<p>10)</p> 	<p>Corresponding Side Ratios</p>
<p>Similarity: _____</p>	

<p>11)</p> <p>In $\triangle ABC$, $AB = 11$, $BC = 16.5$, $AC = 5.5$</p> <p>In $\triangle DEF$, $DE = 12$, $EF = 24$, $DF = 36$</p>	<p>Corresponding Side Ratios</p>
<p>Similarity: _____</p>	

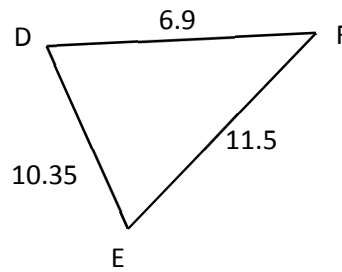
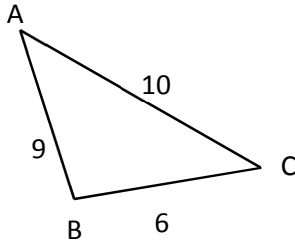
<p>12)</p> <p>In $\triangle ABC$, $AB = 9.5$, $BC = 18.4$, $AC = 14.2$</p> <p>In $\triangle DEF$, $DE = 12$, $EF = 24$, $DF = 36$</p>	<p>Corresponding Side Ratios</p>
<p>Similarity: _____</p>	

13)

Corresponding Side Ratios

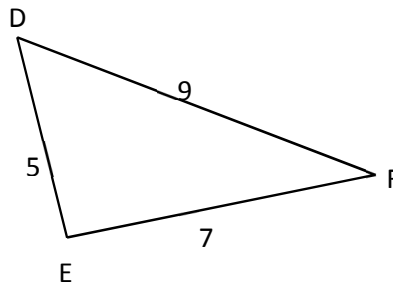
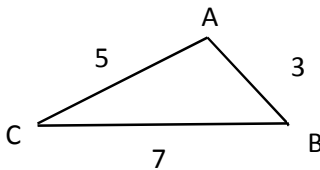
Similarity: _____

14)

Corresponding Side Ratios

Similarity: _____

15)

Corresponding Side Ratios

Similarity: _____

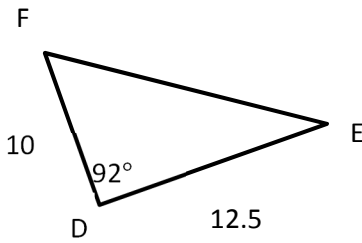
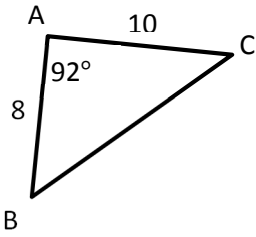
16)

In $\triangle ABC$, $AB = 9.4$, $BC = 4.8$, $AC = 18.2$ In $\triangle DEF$, $DE = 31.85$, $EF = 16.45$, $DF = 8.4$ Corresponding Side Ratios

Similarity: _____

Determine if similarity exists. If so, write the similarity statement.

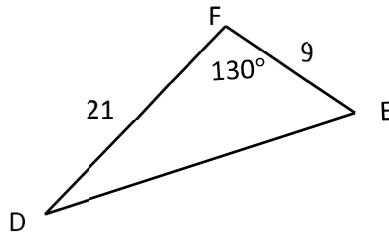
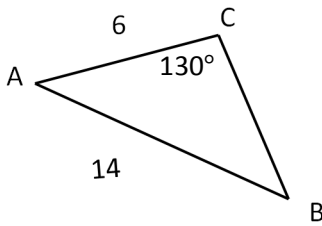
17)



Corresponding Side Ratios

Similarity: _____

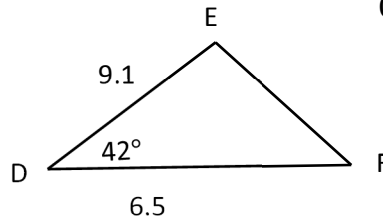
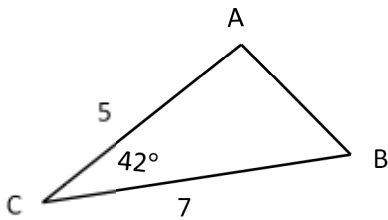
18)



Corresponding Side Ratios

Similarity: _____

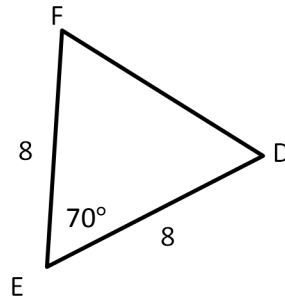
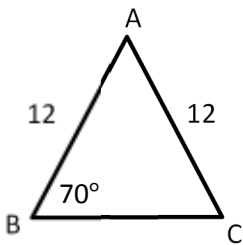
19)



Corresponding Side Ratios

Similarity: _____

20)



Corresponding Side Ratios

Similarity: _____