

Name: _____

Class/Block: _____ Date: _____



Determining Similar Triangles

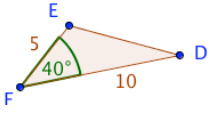
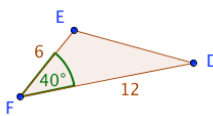
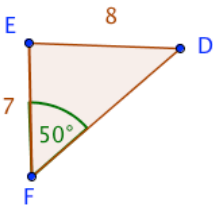
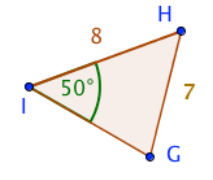
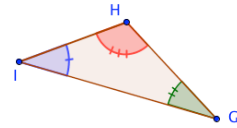
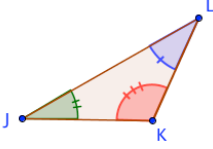
Instructions. You are provided information relating to two triangles. Use the information provided to determine if the triangles are similar.

	Triangle 1	Similar?	Triangle 2	Explanation
1.		<input type="checkbox"/> Similar <input type="checkbox"/> Not Similar		Explain your reasoning:
2.	$\triangle GHI$ has the following measures: $\angle G = 25^\circ$ $\overline{GH} = 5$ $\overline{HI} = 2$	<input type="checkbox"/> Similar <input type="checkbox"/> Not Similar	$\triangle JKL$ has the following measures: $\angle J = 25^\circ$ $\overline{JK} = 10$ $\overline{KL} = 4$	Explain your reasoning:
3.		<input type="checkbox"/> Similar <input type="checkbox"/> Not Similar		Explain your reasoning:
4.	$\triangle JKL$ has the following measures: $\overline{JK} = 3$ $\overline{KL} = 7$ $\overline{LJ} = 5$	<input type="checkbox"/> Similar <input type="checkbox"/> Not Similar	$\triangle MNO$ has the following measures: $\overline{MN} = 9$ $\overline{NO} = 21$ $\overline{OM} = 15$	Explain your reasoning:



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	Triangle 1	Similar?	Triangle 2	Explanation
5.		<input type="checkbox"/> Similar <input type="checkbox"/> Not Similar		Explain your reasoning:
6.	$\triangle GHI$ has the following measures: $\angle G = 25^\circ$ $\overline{GH} = 6$ $\overline{HI} = 1.5$	<input type="checkbox"/> Similar <input type="checkbox"/> Not Similar	$\triangle JKL$ has the following measures: $\angle J = 50^\circ$ $\overline{JK} = 12$ $\overline{KL} = 3$	Explain your reasoning:
7.		<input type="checkbox"/> Similar <input type="checkbox"/> Not Similar		Explain your reasoning:
8.	$\triangle GHI$ has the following measures: 	<input type="checkbox"/> Similar <input type="checkbox"/> Not Similar	$\triangle JKL$ has the following measures: 	Explain your reasoning:

