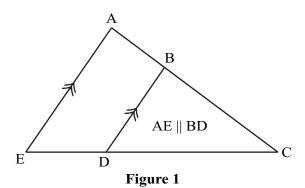
Similarity Worksheet 1



Refer to Figure 1 to answer questions 1 - 4 to prove similarity of triangles.

- 1. Is $\angle C \cong \angle C$? How do you know?
- 2. What can you claim using Substitution property?
- 3. Name of the property because of which $\angle EAC \cong \angle DBC$ is true.
- 4. What can you claim using Angle-Angle postulate?
- 5. $\triangle ABC$ has angles of 55° and 78°. What is the measure of the remaining angle?

- 6. $\triangle DEF$ has angles of 55° and 47°. What is the measure of the remaining angle?
- 7. Is it true that $\triangle ABC \sim \triangle DEF$? How do you know?
- 8. $\triangle GHI$ has angles of 38° and 26°. What is the measure of the remaining angle?
- 9. $\triangle JKL$ has angles of 26° and 115°. What is the measure of the remaining angle?
- 10. Are the triangles similar? How do you know?

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