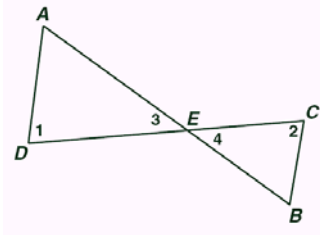


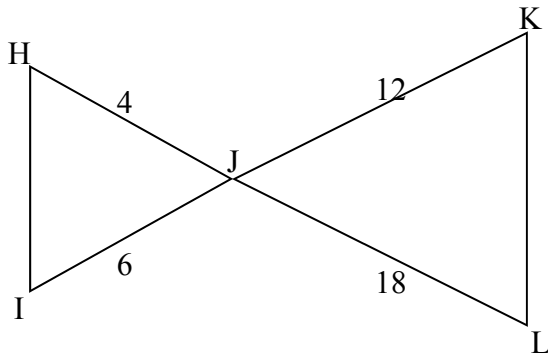
Similarity Theorems and Proof Review:

- List the three postulates / theorems used to prove two triangles are similar.
- What postulate / theorem could be used to prove  $\triangle ADE \sim \triangle BCE$ ?

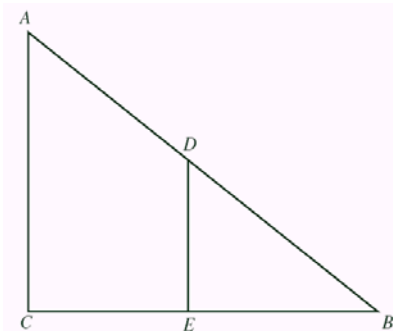


- If  $\angle A \cong \angle B$ , then \_\_\_\_\_
- If  $AE = 9$ ,  $BE = 3$ ,  $DE = 6$ , and  $CE = 2$ , then \_\_\_\_\_.
- If  $AD = 25$ ,  $CB = 5$ ,  $AE = 35$ ,  $BE = 7$ ,  $DE = 30$ , and  $CE = 6$ , then \_\_\_\_\_.

- Using the given information, state the similarity between the two triangles.



- If  $\triangle ABC$  and  $\triangle XYZ$  are two triangles such that  $\frac{AC}{XZ} = \frac{BC}{YZ}$ , which pair of angles would need to be congruent to prove the triangles are similar by SAS Similarity?
- Name two types of triangles that will always be similar.
- Using the given information, state the similarity between the two triangles.



- If  $AC \parallel DE$ , then what two pairs of angles are congruent? \_\_\_\_\_ and \_\_\_\_\_
- Name two triangles that are similar:  
\_\_\_\_\_
- Which similarity postulate / theorem was sufficient to prove the triangles are similar?