

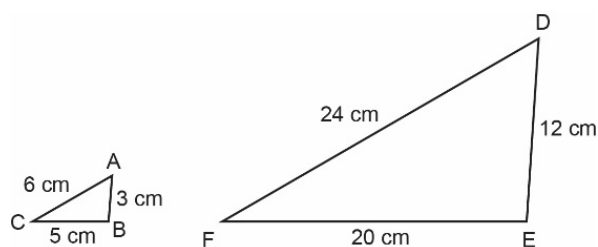
Shape and Space
Unit 1 Line Master 3a

Are We Similar?

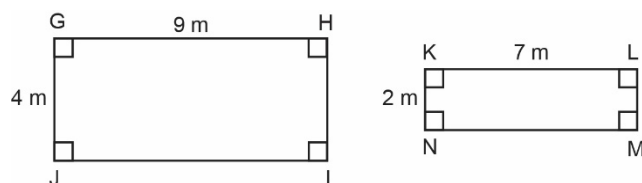
1. For each pair of polygons, identify whether they are similar. If they are similar, identify whether the second polygon is a reduction or enlargement of the first polygon and by what scale factor.

Explain your reasoning.

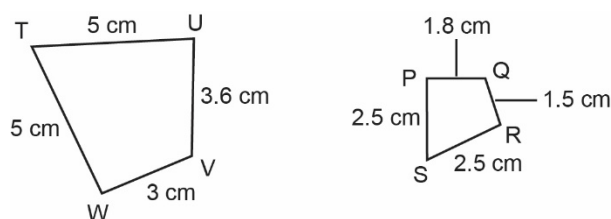
a)



b)



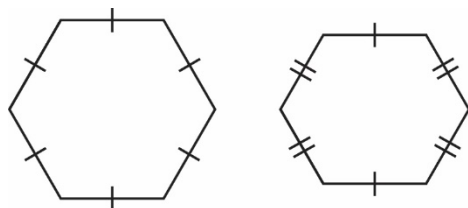
c)



**Shape and Space
Unit 1 Line Master 3b**

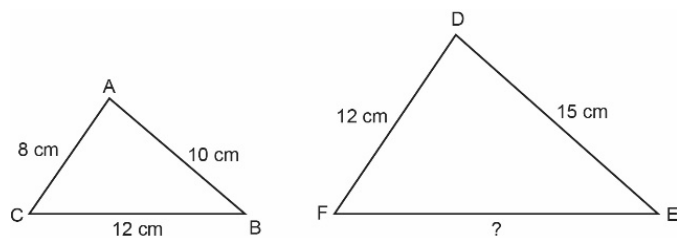
Are We Similar? (cont'd)

d)

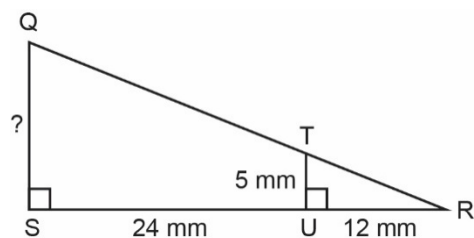


2. For each pair of similar polygons, determine the length of the unknown side.

a)



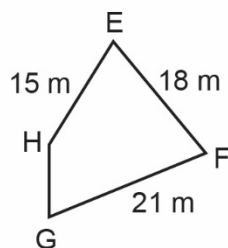
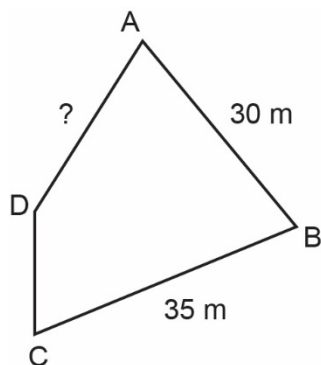
b)



Shape and Space
Unit 1 Line Master 3c

Are We Similar? (cont'd)

c)



3. Draw a triangle that is similar to $\triangle ABC$.
Draw a triangle that is not similar to $\triangle ABC$.
Explain your reasoning.

