

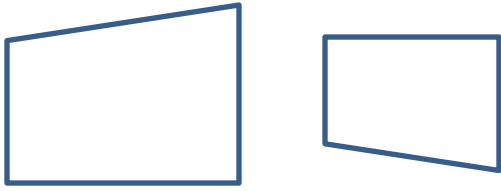
Name : _____

Date: _____

Similar Figures Study Guide

State whether the figures are similar, congruent, both or neither.

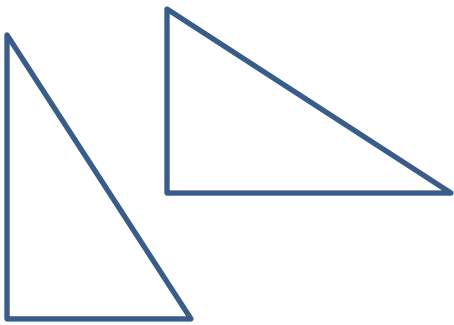
1)



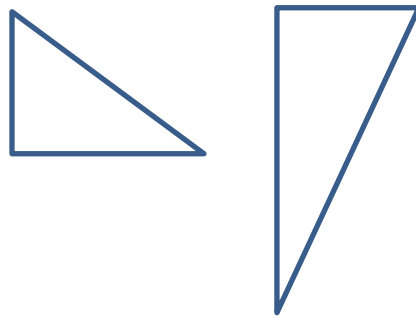
2)



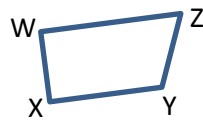
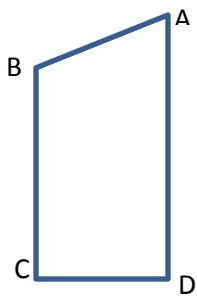
3)



4)



5) The figures below are similar. List the corresponding angles and sides.

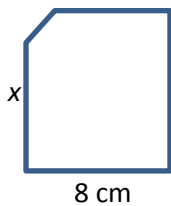
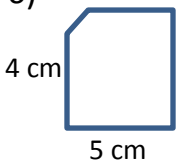


Angles

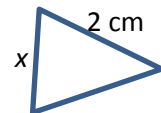
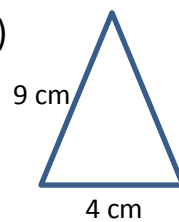
Sides

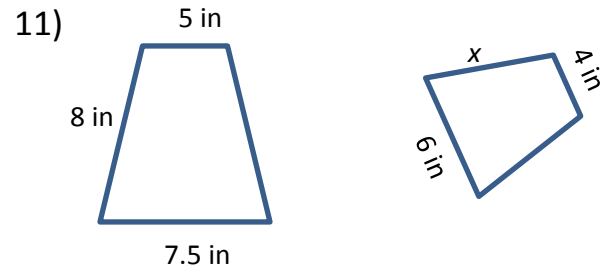
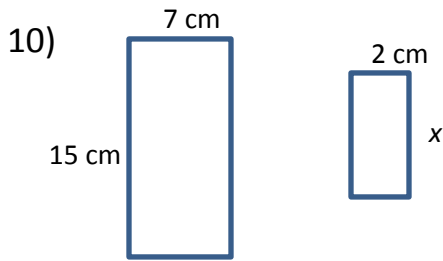
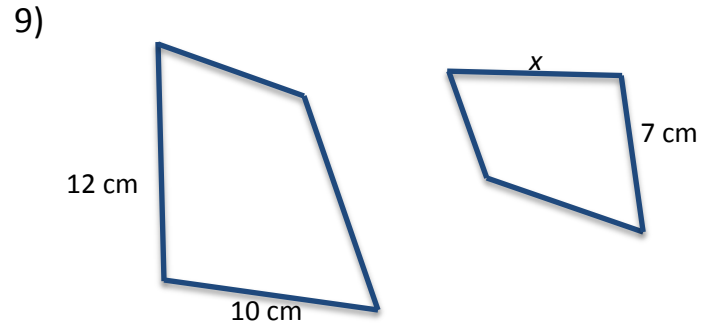
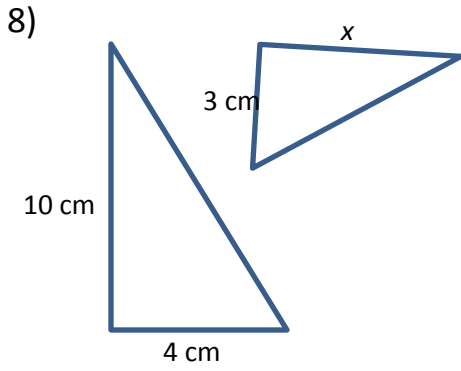
The figures below are similar. Find the missing side lengths. Round to the nearest hundredth.

6)



7)





Draw a picture, label, and solve each.

12) A telephone pole is casting a 10 foot shadow. A 4.5 foot boy is standing nearby and casts a 3 foot shadow. How tall is the telephone pole?

13) A 5 foot tree casts a 2 foot shadow. A yard stick (3 feet) is standing straight up next to the tree. How long is the shadow of the yard stick?