tutorified

5.G.B.4: Classify two-dimensional figures in a hierarchy based on properties.

1. Draw figures that are congruent to the figures shown below.

   2 cm

   2 cm

   O —— 3.5cm

   5 cm

   5 cm

   Solution:

2. Identify the given set of sides of triangles if it is congruent, similar or neither.
   a. 3 cm, 9 cm, 10 cm   and   3 cm, 9 cm, 10 cm   _____
   b. 2 cm, 2.5 cm, 3 cm   and   4 cm, 5 cm, 6 cm   _____
   c. 4 cm, 6 cm, 8 cm   and   5 cm, 7.5 cm, 10 cm   _____

3. True or False? "All circles are similar to each other as well as quadrilaterals."   _____

4. Write the dimensions of triangle XYZ that is congruent to triangle ABC with sides of 6cm, 7cm, and 8cm.

   Solution:

5. Which of the following pair is congruent?

   A   B.

   Solution:

6. Which of the following radius is congruent to a circle with a radius of 7.2 cm?
   a. 4 cm
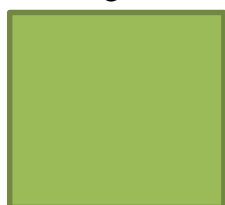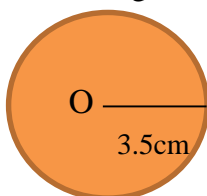   b. 3.6 cm
   c. 9 cm
   d. None of the above.

tutorified

5.G.B.4 Properties of Congruent and Similar Figures – II

5.G.B.4: Classify two-dimensional figures in a hierarchy based on properties.
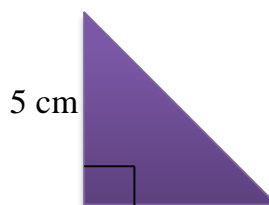
Answer Key

1. (Drawing)
2.
   a. Congruent
   b. Similar
   c. Neither
3. False
4. 6 cm, 7 cm, 8 cm
5. A
6. a, b, and c