

# Draw Congruent Figures

**TAKS Objective 3**  
**TEKS 3.9A**

Solve each problem.

1. The figures below show the side lengths for two triangles. Fill in the missing side lengths so that the triangles are congruent.



6, 12 and \_\_, 6, 17, and \_\_

\_\_\_\_\_

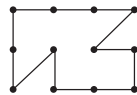
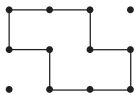
2. The figures below show the side lengths for two triangles. Is it possible for the triangles to be congruent?



9, 5 and \_\_, 4, 6, and \_\_

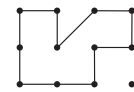
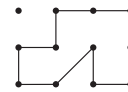
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3. How many corners would have to be moved in the figure on the left so that it would be congruent to the figure on the right?



\_\_\_\_\_

4. How many corners would have to be moved in the figure on the left so that it would be congruent to the figure on the right?



\_\_\_\_\_

5. Richie says that all circles are congruent. Is he right? Why or why not?

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6. Anita draws a scalene triangle and an equilateral triangle to show that no triangles are congruent. Is she right? Explain.

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