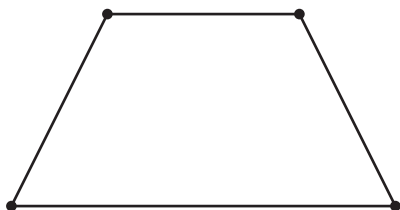# Lesson 3: Specific Side Lengths

- Let's find and draw shapes with specific side lengths.
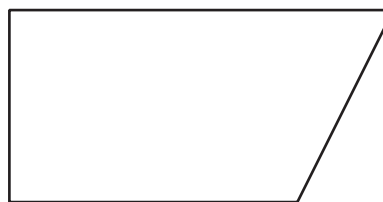
Warm-up: Which One Doesn't Belong: Different Shapes

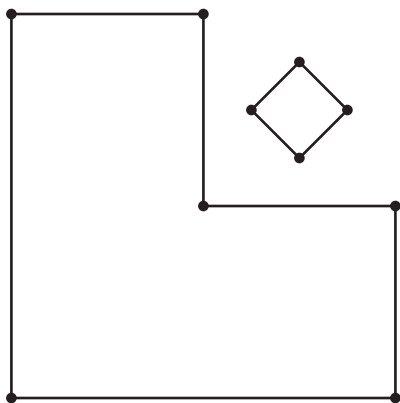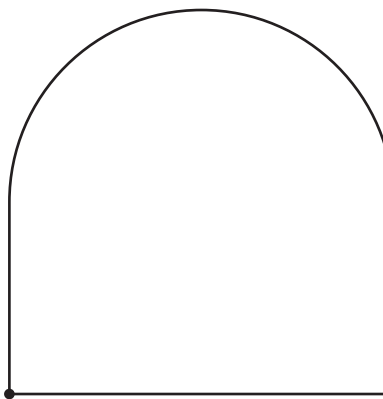Which one doesn't belong?

A

B

C

D

3.1: Measure Twice, Draw Once

1. Diego drew a shape that has fewer than 5 sides. Two sides are 3 centimeters long. Circle shapes that could be Diego's shape.
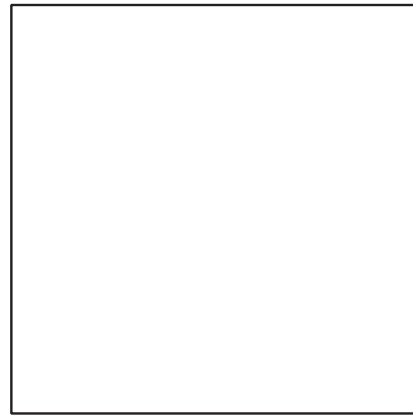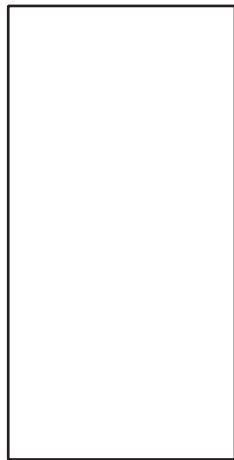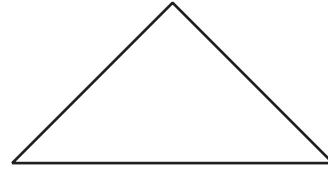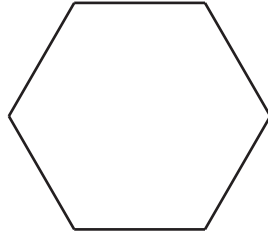
2. Tyler drew a shape that has 4 sides. Each side is 2 inches long.

a. Circle shapes that could be Tyler's shape.
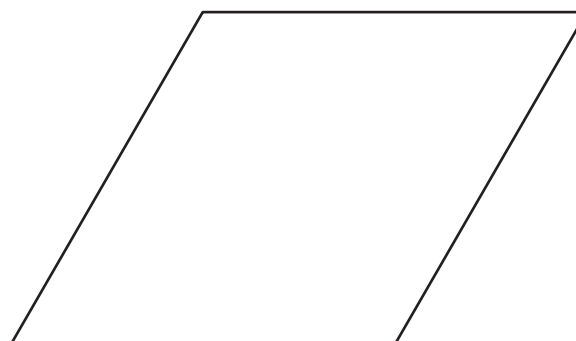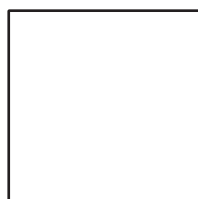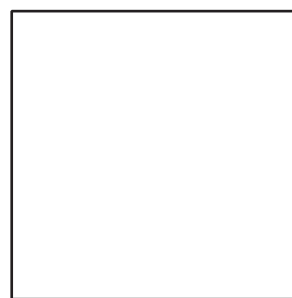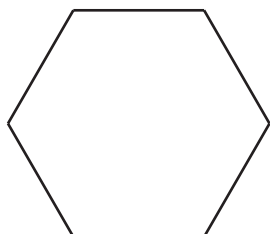
b. Draw another shape that could be Tyler's shape.

3. Priya drew a shape that has more sides than Tyler's shape. Only one side of her shape is 2 inches long. Draw two shapes that could be Priya's shape.

3.2: Build a Shape

1. Choose your own attributes. Circle an attribute from each row.

sides	3	4	5	6
corners	3	4	5	6
side length	1 side is 2 in.	2 sides are 2 in.	2 sides are 3 in.	4 sides are 2 in.
square corners	0	1	2	all square corners

Draw and name a shape with the attributes you chose. If you cannot draw the shape, explain why.

Shape:

Name: _____

2. Choose your own attributes. Circle an attribute from each row.

sides	3	4	5	6
corners	3	4	5	6
side length	1 side is 2 in.	2 sides are 2 in.	2 sides are 3 in.	4 sides are 2 in.
square corners	0	1	2	all square corners

Draw and name a shape with the attributes you chose. If you cannot draw the shape, explain why.

Shape:

Name: _____

3. Choose your own attributes. Circle an attribute from each row.

sides	3	4	5	6
corners	3	4	5	6
side length	1 side is 2 in.	2 sides are 2 in.	2 sides are 3 in.	4 sides are 2 in.
square corners	0	1	2	all square corners

Draw and name a shape with the attributes you chose. If you cannot draw the shape, explain why.

Shape:

Name: _____

4. Cover your attribute table and trade papers with your partner. Guess which attributes they used to draw their shape.

5. **If you have time**: Are there any attributes that are impossible to put together to make a shape? Show or explain.