Name _____

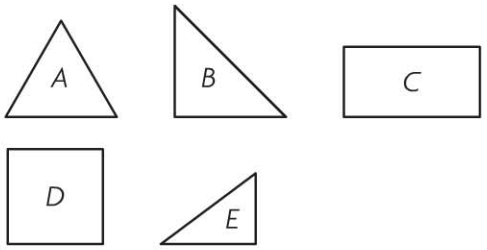
Problem Solving • Classify Plane Shapes

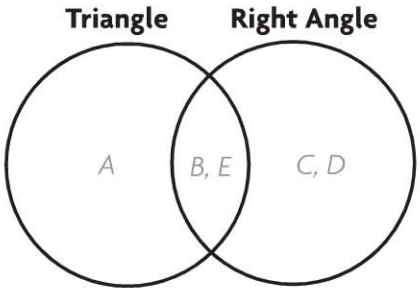
PROBLEM SOLVING
Lesson 12.8

COMMON CORE STANDARD CC.3.G.1
Reason with shapes and their attributes.

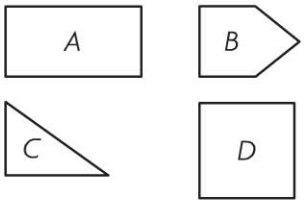
Solve each problem.

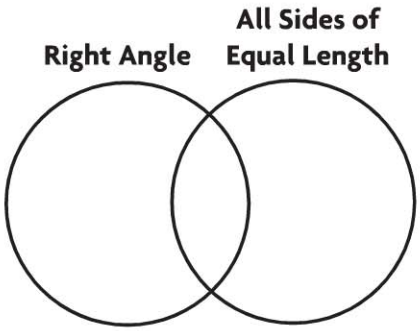
1. Steve drew the shapes below. Write the letter of each shape where it belongs in the Venn diagram.



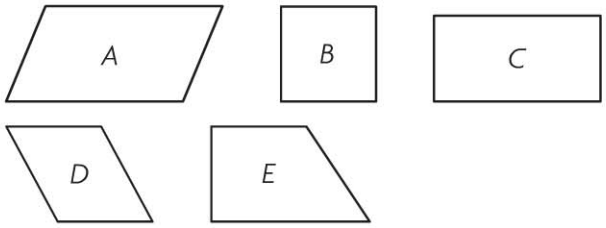


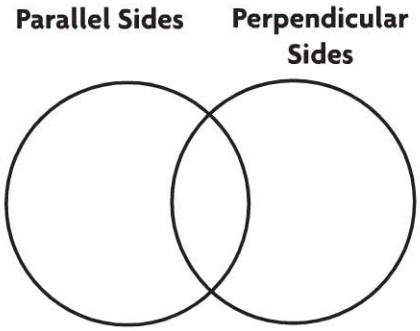
2. Janice drew the shapes below. Write the letter of each shape where it belongs in the Venn diagram.





3. Beth drew the shapes below. Write the letter of each shape where it belongs in the Venn diagram.





TEST PREP

Lesson Check (CC.3.G.1)

1. Which shape would go in the section where the two circles overlap?

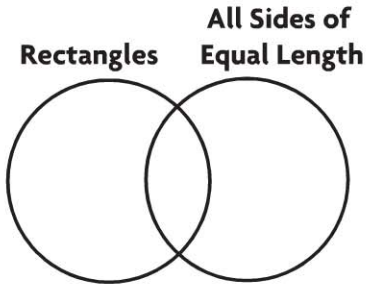
   Ⓐ triangle Ⓒ square

   Ⓑ trapezoid Ⓓ hexagon

2. Which shape could NOT go in the circle labeled *All Sides of Equal Length*?

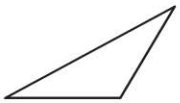
   Ⓐ rhombus Ⓒ square

   Ⓑ trapezoid Ⓓ triangle



Spiral Review (CC.3.NF.1, CC.3.G.1)

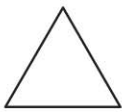
3. How many angles greater than a right angle does this triangle have? (Lesson 12.7)



   Ⓐ 0 Ⓒ 2

   Ⓑ 1 Ⓓ 3

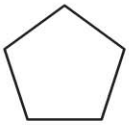
4. How many sides of equal length does this triangle appear to have? (Lesson 12.7)



   Ⓐ 0 Ⓒ 2

   Ⓑ 1 Ⓓ 3

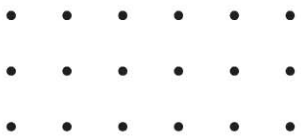
5. Madison drew this shape. How many angles less than a right angle does it have? (Lesson 12.2)



   Ⓐ 0 Ⓒ 3

   Ⓑ 1 Ⓓ 5

6. How many dots are in $\frac{1}{2}$ of this group? (Lesson 8.7)



   Ⓐ 6 Ⓒ 9

   Ⓑ 8 Ⓓ 18