

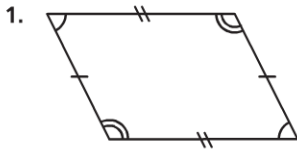
Name _____

Polygons

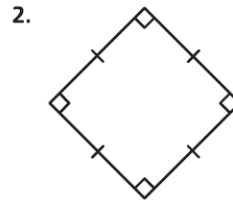
COMMON CORE STANDARD CC.5.G.3

Classify two-dimensional figures into categories based on their properties.

Name each polygon. Then tell whether it is a *regular polygon* or *not a regular polygon*.



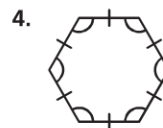
4 sides, 4 vertices, 4 angles means it is a quadrilateral. The sides are not all congruent, so it is not regular.



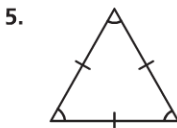
quadrilateral; regular



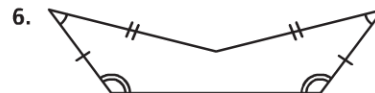
octagon; not regular



hexagon; regular



triangle; regular



pentagon; not regular

Problem Solving



7. Sketch nine points. Then, connect the points to form a closed plane figure. What kind of polygon did you draw?

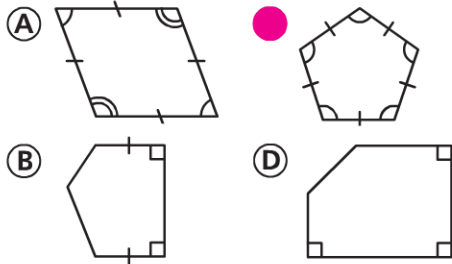
Check students' drawings; nonagon.

8. Sketch seven points. Then, connect the points to form a closed plane figure. What kind of polygon did you draw?

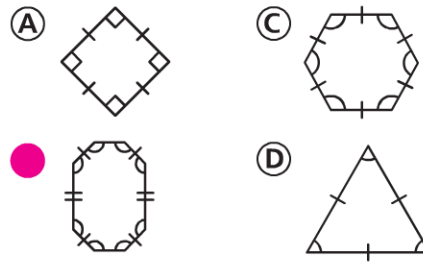
Check students' drawings; heptagon.

Lesson Check (CC.5.G.3)

1. Which of the following is a regular pentagon?



2. Which of the following is NOT a regular polygon?



Spiral Review (CC.5.OA.2, CC.5.NBT.7, CC.5.MD.1)

3. Ann needs 42 feet of fabric to make a small quilt. How many yards of fabric should she buy? (Lesson 10.1)

- (A) 13 yards
- (B) 14 yards
- (C) 21 yards
- (D) 126 yards

4. Todd begins piano practice at 4:15 P.M. and ends at 5:50 P.M. How long does he practice? (Lesson 10.7)

- (A) 25 minutes
- (B) 35 minutes
- (C) 1 hour 25 minutes
- (D) 1 hour 35 minutes

5. Jenna is organizing her barrettes into 6 boxes. She puts the same number of barrettes in each box. If Jenna has 30 barrettes, which expression can you use to find the number of barrettes in each box? (Lesson 1.10)

- (A) 6×30
- (B) $30 + 6$
- (C) $30 - 6$
- (D) $30 \div 6$

6. Melody had \$45. She spent \$32.75 on a blouse. Then her mother gave her \$15.50. How much money does Melody have now? (Lesson 3.11)

- (A) \$12.25
- (B) \$27.75
- (C) \$48.25
- (D) \$60.50