

Vocabulary Check

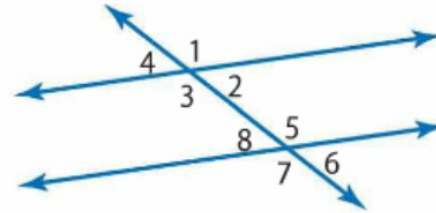
1. Name a pair of angles for each of the following. (Lesson 1) **Sample answers: 1a–1d.**

a. corresponding angles 2 and 6

b. alternate interior angles 3 and 5

c. vertical angles 4 and 2

d. alternate exterior angles 1 and 7

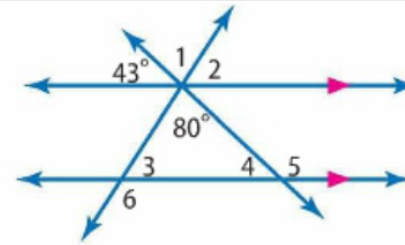


2. List two attributes of regular polygons. (Lesson 4)

all of the sides are the same length

all of the angles have the same measure

Refer to the figure at the right. Find the missing measure of each angle. (Lessons 1 and 3)



3. $m\angle 1 = 80^\circ$

4. $m\angle 2 = 57^\circ$

5. $m\angle 3 = 57^\circ$

6. $m\angle 4 = 43^\circ$

7. $m\angle 5 = 137^\circ$

8. $m\angle 6 = 123^\circ$

9. The building for the headquarters for the United States Department of Defense is in the shape of a regular polygon with five sides. What is the measure of one of the interior angles of the building? (Lesson 4) 108°

10. **CCSS Use Math Tools** In the figure, line a is parallel to line b . Which of the following are equal to the measure of $\angle T$? (Lesson 1) I, III, IV

- I the supplement of $\angle S$
- II the complement of $\angle X$
- III the angle adjacent to $\angle Z$
- IV angle corresponding to $\angle R$

