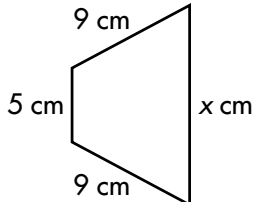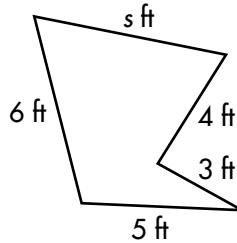Name _____

Perimeter and Unknown Side Lengths

Find the length of the missing side for each polygon so it has the perimeter given.

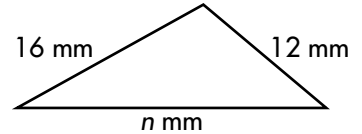**1.** perimeter = 35 cm

9 cm

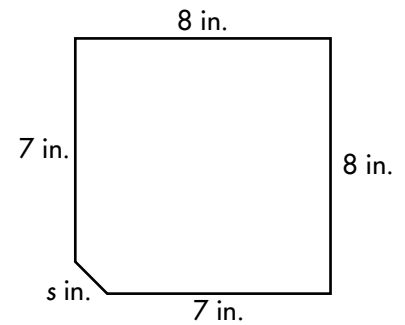5 cm x cm

9 cm

_____

2. perimeter = 22 ft

s ft

6 ft   4 ft

3 ft

5 ft

_____

3. perimeter = 48 mm

16 mm   12 mm

n mm

_____

4. What is the length of the missing side for the polygon on the right if it has a perimeter of 32 inches?

A 1 inch

B 2 inches

C 3 inches

D 4 inches

8 in.

7 in.   8 in.

s in.   7 in.

5. **Writing to Explain** Mr. Ortiz has enough chalk to outline an area with a perimeter of 36 yd. He wants to make a place to practice softball batting, as shown on the right. How long should he make the missing side? Tell how you found the answer and write an equation that could be used to solve the problem.

y yd

10 yd   10 yd

1 yd

_____

_____

_____