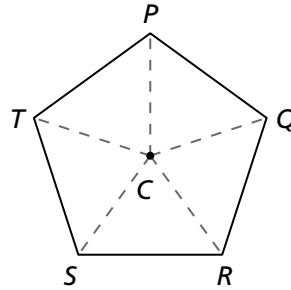


4ACE Exercise 12**Investigation 4****Kaleidoscopes, Hubcaps, and Mirrors**

12. Pentagon $PQRST$ has **rotational symmetry** about point C with a 72° **angle of rotation**.



HINT Remember, rotational symmetry means that you can turn the object around its center to a position in which it looks the same as the original position.

What does this symmetry tell you about the **measures of:**

- angles** in the pentagon?
- side lengths** of the pentagon?
- segments** from C to each of the vertices of the pentagon?