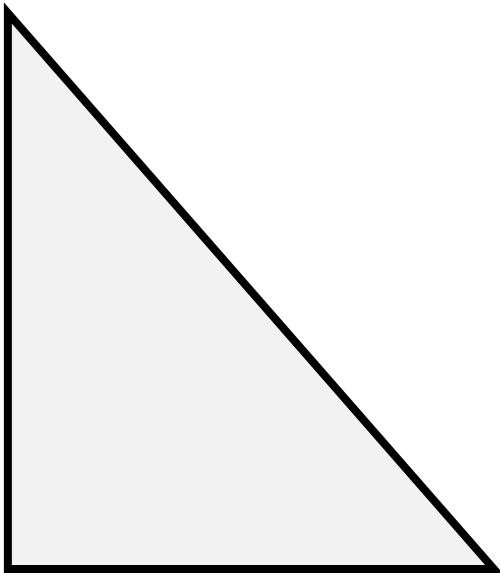


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## Calculating the Apothem of a Regular Polygon

Example: Determine the length of the apothem of a regular \_\_\_\_\_  
with a side length of \_\_\_\_\_.

- Step 1: Draw a \_\_\_\_\_ to represent the situation.



- Step 2: Use the formula \_\_\_\_\_ to find the measure of the angle opposite the side of the triangle that is part of the polygon.

- Step 3: The apothem of the triangle is the \_\_\_\_\_ of the triangle with unknown length.

- Step 4: Use \_\_\_\_\_ to calculate the length of the apothem. Make sure the calculator you are using is in \_\_\_\_\_ mode.

\_\_\_\_\_ = \_\_\_\_\_