

1. Fill in the blanks:

/ 1

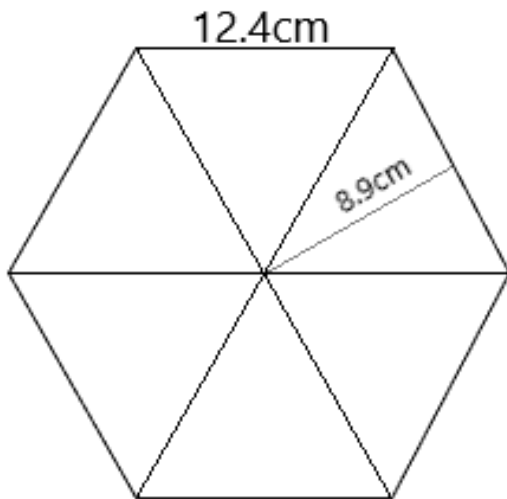
A regular polygon is a closed figure with all \_\_\_\_\_ and interior angles being \_\_\_\_\_.

2. What is the area formula for regular polygons?

/ 1

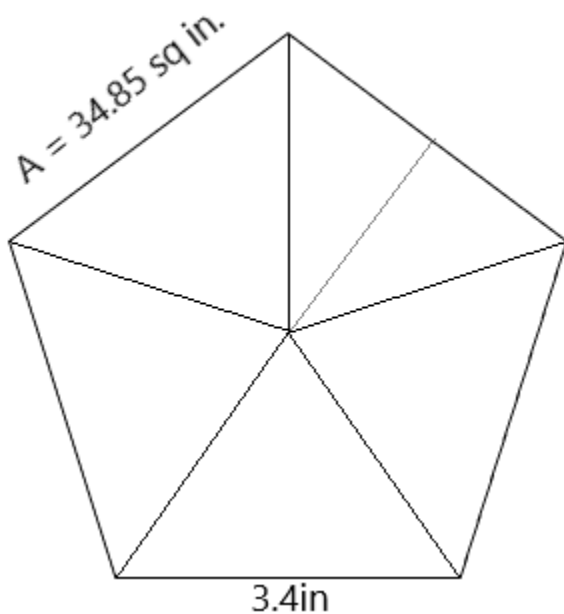
3. Find the area of the following shape:

/ 2



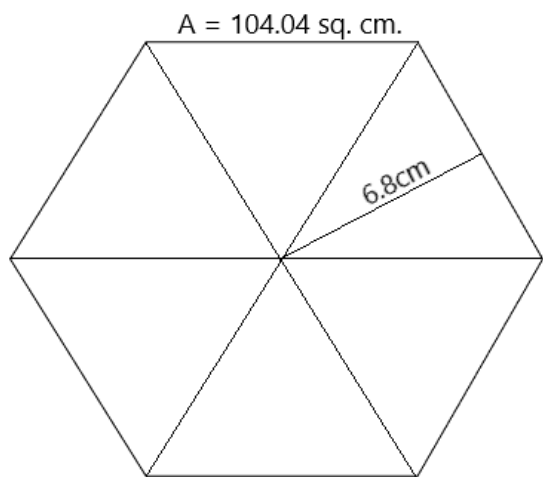
4. Find the height of the triangle:

/ 2



5. What is the length of one side?

/ 2



6. Corbett is a diamond cutter. He cut a diamond so that the face is a regular hexagon. Is the area of the face about  $1\text{cm}^2$ ? Explain your thinking.

/ 2

