Vocabulary: Circumference and Area of Circles

📖 **Vocabulary**

- <u>Area</u> – the number of square units inside a plane figure.

    - For example, the area of the figure to the right is 15 square units.

- <u>Circle</u> – the set of all points the same distance from a given point.

    - A circle is named by its center.

        - For example, circle *A* is shown to the right.

- <u>Circumference</u> – the distance around a circle.

- <u>Diameter</u> – a line segment that passes through the center of the circle and has endpoints on the circle.

    - The diameter of the circle shown to the right is $\overline{CB}$.

- <u>Perimeter</u> – the distance around a plane figure.

    - For example, the perimeter of the rectangle shown above is 16 units.

- <u>Pi (π)</u> – the ratio of the circumference of a circle to its diameter.

    - The value of π is 3.14159…, or approximately 3.14.

- <u>Radius</u> – a line segment with one endpoint at the center of a circle and the other endpoint on the circle.

    - A radius of the circle shown above is $\overline{AC}$.

    - The length of a radius is half the length of a diameter of the same circle.