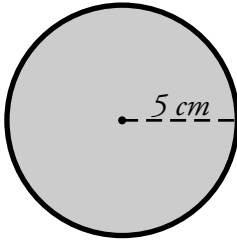


Name: _____

Area of a Circle

To find the area of a circle, use the formula **pi x radius² = area**.
This formula is often written as **$A = \pi r^2$** .



The circle pictured here has a radius of 5 cm.

$$r = 5 \text{ cm}$$

$$\pi \approx 3.14$$

$$A = 3.14 \times (5 \text{ cm} \times 5 \text{ cm})$$

$$A = 3.14 \times 25 \text{ cm}^2$$

$$A = 78.50 \text{ cm}^2$$

Find the area of each circle. Use 3.14 for pi.

a.



b.



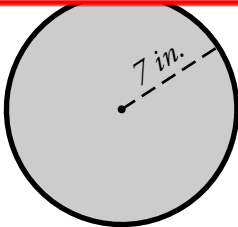
c.



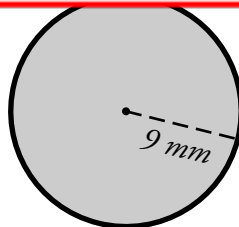
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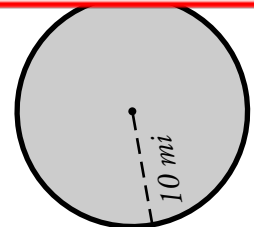
a.



e.



f.

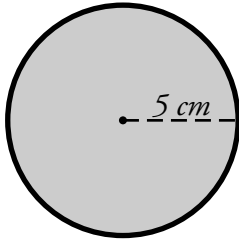


- g. Kaylee and Rory have a circular swimming pool. The pool has a cover that fits snugly over the top of it. If the radius of the pool is 11 ft, what is the surface area of the cover?
- _____

ANSWER KEY

Area of a Circle

To find the area of a circle, use the formula $\pi \times \text{radius}^2 = \text{area}$.
This formula is often written as $A = \pi r^2$.



The circle pictured here has a radius of 5 cm.

$$r = 5 \text{ cm}$$

$$\pi \approx 3.14$$

$$A = 3.14 \times (5 \text{ cm} \times 5 \text{ cm})$$

$$A = 3.14 \times 25 \text{ cm}^2$$

$$A = 78.50 \text{ cm}^2$$

Find the area of each circle. Use 3.14 for pi.



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