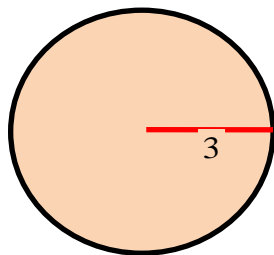


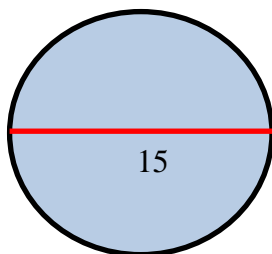
# Area of Circles Exit Quiz

Find the unknown value for the following figures.

1. Find the area of circle D.



2. Find the Area of circle G.



3. Find the area of a triangle given its radius equals 7.5cm.

4. Find the area of a circle given its diameter 13.5 cm.


Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Area of Circles Exit Quiz

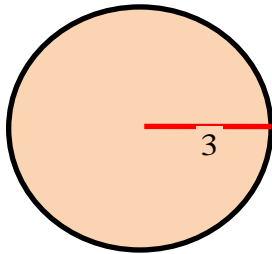
5. Find the radius of a circle given its area equals  $289\pi$ .

# Area of Circles Exit Quiz

## Answer:

Find the unknown value for the following figures.

1. Find the area of circle D.



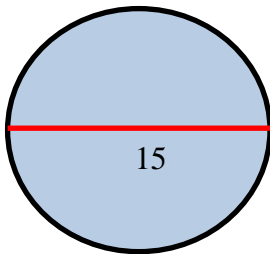
Solution:

$$A = \pi r^2$$

$$A = \pi 3^2$$

$$A = 9\pi$$

2. Find the Area of circle G.



Solution:

$$A = \frac{\pi d^2}{4}$$

$$A = \frac{\pi 15^2}{4}$$

$$A = \frac{225\pi}{4}$$

$$A = 176.71$$

3. Find the area of a triangle given its radius equals 7.5cm.

**Solution:**

$$A = \pi r^2$$

$$A = \pi 7.5^2$$

$$A = 56.25\pi$$

$$A = 176.71\text{cm}^2$$

4. Find the area of a circle given its diameter 13.5 cm.

**Solution:**

$$A = \frac{\pi d^2}{4}$$

$$A = \frac{\pi 13.5^2}{4}$$

$$A = \frac{182.25\pi}{4}$$

$$A = 143.14\text{cm}^2$$

5. Find the radius of a circle given its area equals  $289\pi$ .

**Solution:**

$$A = \pi r^2$$

$$289\pi = \pi r^2$$

$$r^2 = 289$$

$$r = 17$$

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

# Area of Circles Exit Quiz