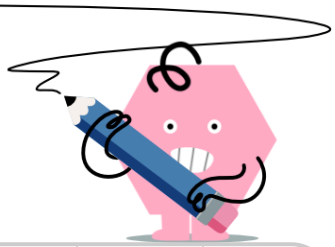
Name

Area of a Circle - Area and Equation to Radius (Pi Value)



1 If the area of this circle is 2, what it its radius?

$$A = \pi \cdot r^2$$
$$2 = \pi \cdot r^2$$

A $r = 2 \cdot \sqrt{\frac{2}{\pi}}$

B $r = \sqrt{\frac{2}{2 \cdot \pi}}$

C $r = \sqrt{\frac{2 \cdot \pi}{2}}$

D $r = \sqrt{\frac{2}{\pi}}$

2 If the area of this circle is 6, what it its radius?

$$A = \pi \cdot r^2$$
$$6 = \pi \cdot r^2$$

A $r = 6 \cdot \sqrt{\frac{2}{\pi}}$

B $r = \sqrt{\frac{2 \cdot \pi}{6}}$

C $r = \sqrt{\frac{6}{2 \cdot \pi}}$

D $r = \sqrt{\frac{6}{\pi}}$

3 If the area of this circle is 8, what it its radius?

$$A = \pi \cdot r^2$$
$$8 = \pi \cdot r^2$$

A $r = 8 \cdot \sqrt{\frac{2}{\pi}}$

B $r = \sqrt{\frac{8}{2 \cdot \pi}}$

C $r = \sqrt{\frac{8}{\pi}}$

D $r = \sqrt{\frac{2 \cdot \pi}{8}}$

4 If the area of this circle is 5, what it its radius?

$$A = \pi \cdot r^2$$
$$5 = \pi \cdot r^2$$

A $r = \sqrt{\frac{5}{\pi}}$

B $r = \sqrt{\frac{5}{2 \cdot \pi}}$

C $r = 5 \cdot \sqrt{\frac{2}{\pi}}$

D $r = \sqrt{\frac{2 \cdot \pi}{5}}$

5 If the area of this circle is 3, what it its radius?

$$A = \pi \cdot r^2$$
$$3 = \pi \cdot r^2$$

A $r = \sqrt{\frac{3}{2 \cdot \pi}}$

B $r = \sqrt{\frac{3}{\pi}}$

C $r = 3 \cdot \sqrt{\frac{2}{\pi}}$

D $r = \sqrt{\frac{2 \cdot \pi}{3}}$

6 If the area of this circle is 9, what it its radius?

$$A = \pi \cdot r^2$$
$$9 = \pi \cdot r^2$$

A $r = \sqrt{\frac{2 \cdot \pi}{9}}$

B $r = \sqrt{\frac{9}{2 \cdot \pi}}$

C $r = \sqrt{\frac{9}{\pi}}$

D $r = 9 \cdot \sqrt{\frac{2}{\pi}}$

7 If the area of this circle is 10, what it its radius?

$$A = \pi \cdot r^2$$
$$10 = \pi \cdot r^2$$

A $r = \sqrt{\frac{10}{2 \cdot \pi}}$

B $r = 10 \cdot \sqrt{\frac{2}{\pi}}$

C $r = \sqrt{\frac{10}{\pi}}$

D $r = \sqrt{\frac{2 \cdot \pi}{10}}$

8 If the area of this circle is 7, what it its radius?

$$A = \pi \cdot r^2$$
$$7 = \pi \cdot r^2$$

A $r = \sqrt{\frac{2 \cdot \pi}{7}}$

B $r = \sqrt{\frac{7}{\pi}}$

C $r = 7 \cdot \sqrt{\frac{2}{\pi}}$

D $r = \sqrt{\frac{7}{2 \cdot \pi}}$