Name

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

1 If the area of this circle is 6, what it its diameter?

$$A = \pi \cdot (\frac{d}{2})^2$$

$$6 = \pi \cdot (\frac{d}{2})^2$$

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

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

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

D $d = 2 \cdot \sqrt{\frac{6}{2 \cdot \pi}}$

2 If the area of this circle is 9, what it its diameter?

$$A = \pi \cdot (\frac{d}{2})^2$$

$$9 = \pi \cdot (\frac{d}{2})^2$$

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

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

C $d = 9 \cdot \sqrt{\frac{2}{\pi}}$

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

3 If the area of this circle is 4, what it its diameter?

$$A = \pi \cdot (\frac{d}{2})^2$$

$$4 = \pi \cdot (\frac{d}{2})^2$$

A $d = 2 \cdot \sqrt{\frac{4}{\pi}}$

B $d = 4 \cdot \sqrt{\frac{2}{\pi}}$

C $d = 2 \cdot \sqrt{\frac{4}{2 \cdot \pi}}$

D $d = \sqrt{\frac{2 \cdot \pi}{4}}$

4 If the area of this circle is 3, what it its diameter?

$$A = \pi \cdot (\frac{d}{2})^2$$

$$3 = \pi \cdot (\frac{d}{2})^2$$

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

B $d = 3 \cdot \sqrt{\frac{2}{\pi}}$

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

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

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

$$A = \pi \cdot (\frac{d}{2})^2$$

$$5 = \pi \cdot (\frac{d}{2})^2$$

A $d = 2 \cdot \sqrt{\frac{5}{2 \cdot \pi}}$

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

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

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

6 If the area of this circle is 10, what it its diameter?

$$A = \pi \cdot (\frac{d}{2})^2$$

$$10 = \pi \cdot (\frac{d}{2})^2$$

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

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

C $d = 2 \cdot \sqrt{\frac{10}{\pi}}$

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

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

$$A = \pi \cdot (\frac{d}{2})^2$$

$$8 = \pi \cdot (\frac{d}{2})^2$$

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

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

C $d = 8 \cdot \sqrt{\frac{2}{\pi}}$

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

8 If the area of this circle is 2, what it its diameter?

$$A = \pi \cdot (\frac{d}{2})^2$$

$$2 = \pi \cdot (\frac{d}{2})^2$$

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

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

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