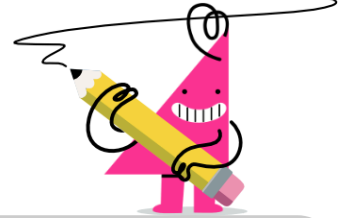# Area of a Circle - Diameter to Equation

1
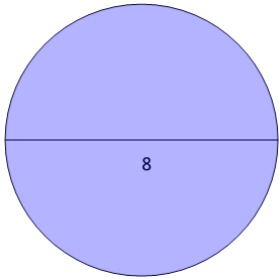
Find the equation that represents the area of this circle

(circle with diameter 6)
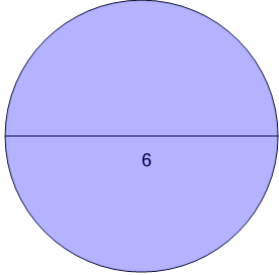
A $\pi \cdot (\frac{2}{2})^2$	B $\frac{\pi}{12}$
C $\pi \cdot (\frac{6}{2})^2$	D $\pi \cdot 6^2$

2

Find the equation that represents the area of this circle

(circle with diameter 6)
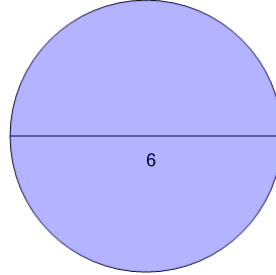
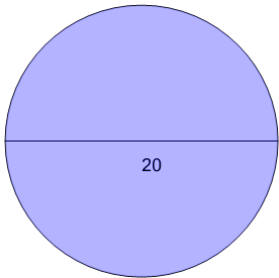| A $\pi \cdot 6^2$	B $\frac{\pi}{12}$
C $\pi \cdot 12$	D $\pi \cdot (\frac{6}{2})^2$
E $\frac{\pi}{6}$	

3

Find the equation that represents the area of this circle

(circle with diameter 8)

A $\frac{\pi}{16}$	B $\frac{\pi}{5}$
C $\pi \cdot 12^2$	D $\pi \cdot (\frac{8}{2})^2$

4

Find the equation that represents the area of this circle

(circle with diameter 18)
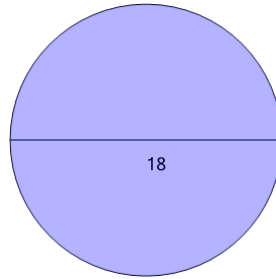
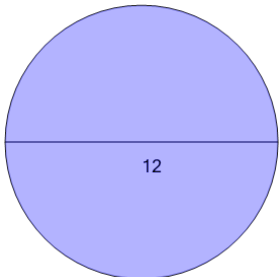| A $\pi \cdot (\frac{21}{2})^2$	B $\frac{\pi}{16}$
C $\pi \cdot (\frac{18}{2})^2$	D $\pi \cdot 20$
E $\frac{\pi}{36}$	

5

Find the equation that represents the area of this circle

(circle with diameter 20)

A $\pi \cdot (\frac{20}{2})^2$	B $\frac{\pi}{40}$
C $\pi \cdot 22^2$	D $\pi \cdot 40$
E $\frac{\pi}{20}$	

6

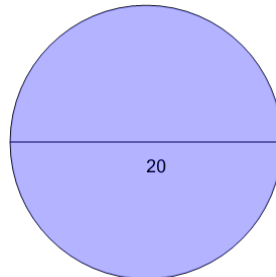Find the equation that represents the area of this circle

(circle with diameter 16)
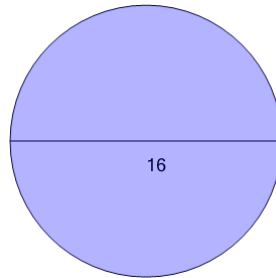
A $\pi \cdot 16^2$	B $\pi \cdot 16$
C $\pi \cdot 32^2$	D $\pi \cdot 32$
E $\pi \cdot (\frac{16}{2})^2$	

7

Find the equation that represents the area of this circle

(circle with diameter 12)

A $\pi \cdot 16^2$	B $\frac{\pi}{24}$
C $\pi \cdot (\frac{12}{2})^2$	D $\pi \cdot 12^2$
E $\pi \cdot 9$	

8

Find the equation that represents the area of this circle

(circle with diameter 20)

A $\pi \cdot (\frac{20}{2})^2$	B $\pi \cdot 20$
C $\frac{\pi}{40}$	D $\pi \cdot 40$
E $\pi \cdot 16$	