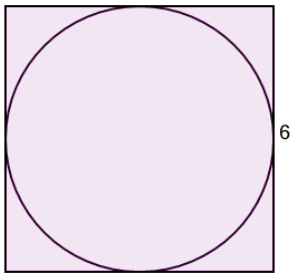
Name

Inscribed Circle in Square - Square Side Length to Circle Area

1 Find the area of the circle inscribed in a square with side length 6



A $\left(\frac{3}{2}\right)^2\pi$

B $4\sqrt{18}$

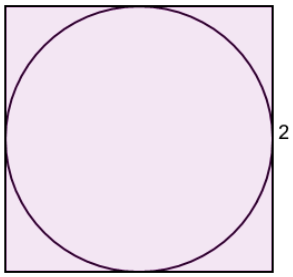
C $\frac{18^2}{2}\pi$

D $\frac{18}{\pi}$

E $\left(\sqrt{36}\right)^2\pi$

F $\left(\frac{6}{2}\right)^2\pi$

2 Find the area of the circle inscribed in a square with side length 2



A $\frac{2}{\pi}$

B $\left(\sqrt{2}\right)^2\pi$

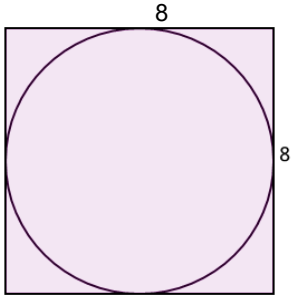
C $\left(\frac{2}{2}\right)^2\pi$

D 4π

E $\left(\frac{1}{2}\right)^2\pi$

F $2\sqrt{\frac{4}{2\pi}}$

3 Find the area of the circle inscribed in a square with side length 8



A $\frac{16^2}{2}\pi$

B $\left(\frac{4}{2}\right)^2\pi$

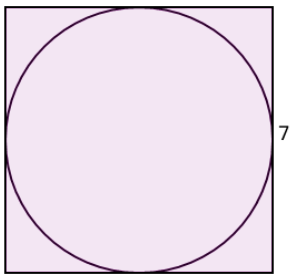
C $\left(\sqrt{64}\right)^2\pi$

D $\frac{64^2}{2}\pi$

E $2\sqrt{\frac{128}{2}}$

F $\left(\frac{8}{2}\right)^2\pi$

4 Find the area of the circle inscribed in a square with side length 7



A $2\sqrt{\frac{49}{2}}$

B $\frac{98^2}{2}\pi$

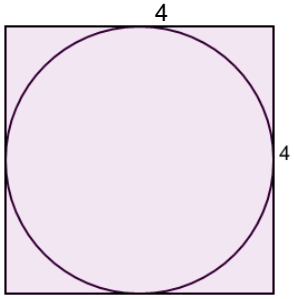
C $\left(\frac{3}{2}\right)^2\pi$

D $4\sqrt{25}$

E $\left(\frac{7}{2}\right)^2\pi$

F $\frac{98}{2}\sqrt{2}$

5 Find the area of the circle inscribed in a square with side length 4



A $2\sqrt{\frac{8}{2\pi}}$

B $\frac{32}{\pi}$

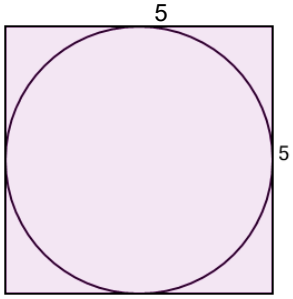
C $\left(\frac{4}{2}\right)^2\pi$

D $\left(\sqrt{8}\right)^2\pi$

E $\left(\frac{2}{2}\right)^2\pi$

F 8π

6 Find the area of the circle inscribed in a square with side length 5



A $\frac{50^2}{2}\pi$

B $\frac{10^2}{2}\pi$

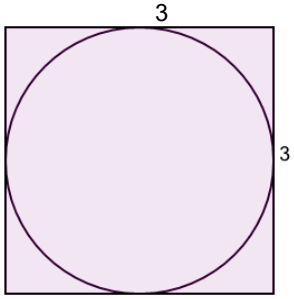
C $2\sqrt{\frac{50}{2\pi}}$

D $\left(\frac{2}{2}\right)^2\pi$

E $\frac{10}{\pi}$

F $\left(\frac{5}{2}\right)^2\pi$

7 Find the area of the circle inscribed in a square with side length 3



A $\left(\sqrt{5}\right)^2\pi$

B $\left(\frac{3}{2}\right)^2\pi$

C $\frac{5}{2}\sqrt{2}$

D 6π

E 9

F $\left(\frac{1}{2}\right)^2\pi$