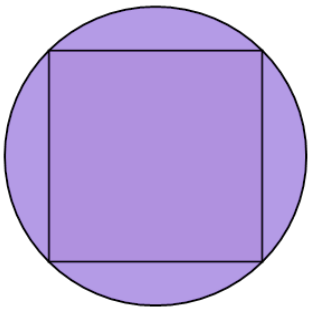
Name

Inscribed Square in Circle - Circle Area to Square Side Length

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



A $\frac{32^2}{2}\pi$

B $\frac{128}{\pi}$

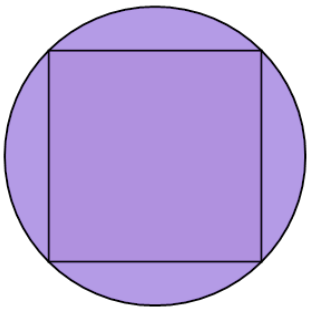
C $4\sqrt{16}$

D $2\sqrt{\frac{16}{2\pi}}$

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

F $2\sqrt{\frac{32}{2\pi}}$

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



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

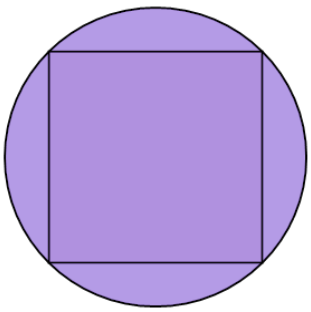
B $\frac{4^2}{2}\pi$

C $2\sqrt{\frac{8}{2}}$

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

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

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



A $2\sqrt{\frac{6}{2\pi}}$

B $2\sqrt{\frac{5}{2\pi}}$

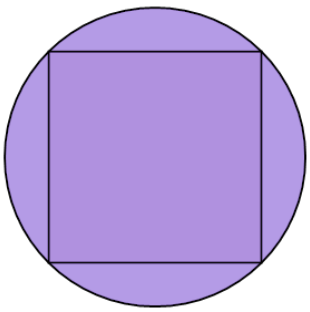
C $2\sqrt{\frac{18}{2\pi}}$

D $\frac{6}{\pi}$

E $2\sqrt{\frac{3}{2\pi}}$

F $4\sqrt{18}$

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



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

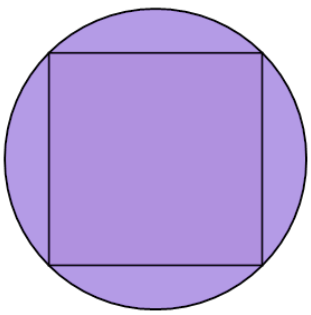
B $\frac{8}{2}\sqrt{2}$

C $\frac{8^2}{2}\pi$

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

E $2\sqrt{\frac{16}{2\pi}}$

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



A $\frac{12}{\pi}$

B $2\sqrt{\frac{12}{2\pi}}$

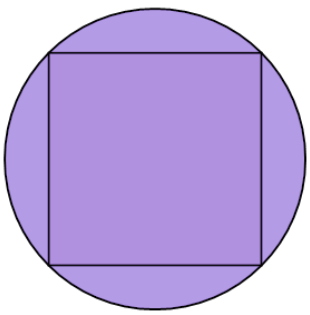
C $2\sqrt{\frac{6}{2\pi}}$

D 36

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

F $\frac{18}{\pi}$

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



A $\frac{25^2}{2}\pi$

B 10π

C $2\sqrt{\frac{10}{2\pi}}$

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

E $4\sqrt{10}$

F $2\sqrt{\frac{5}{2\pi}}$