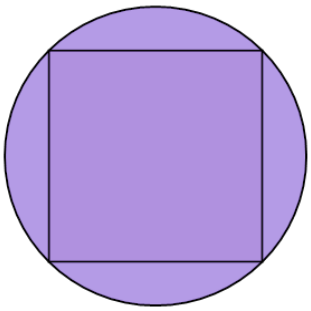
Name

Inscribed Square in Circle - Circle Area to Square Side Length

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



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

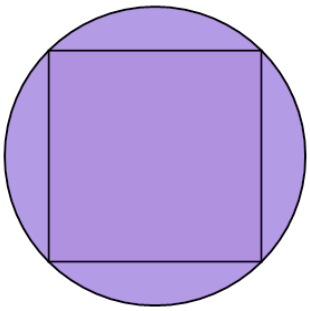
B $2\sqrt{\frac{4}{2\pi}}$

C 8π

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

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

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



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

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

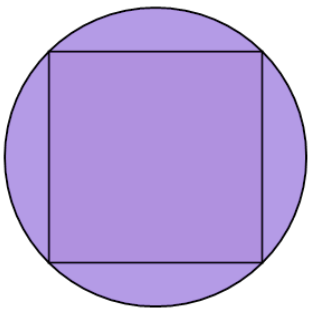
C $\frac{10^2}{2}\pi$

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

E 50π

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

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



A $4\sqrt{6}$

B $\frac{18}{\pi}$

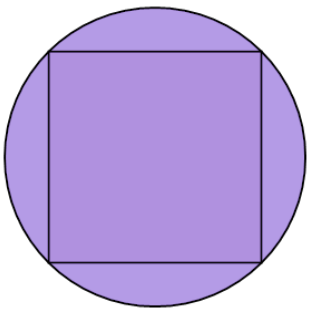
C $\frac{5^2}{2}\pi$

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

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

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

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



A $2\sqrt{\frac{7}{2\pi}}$

B $2\sqrt{\frac{49}{2\pi}}$

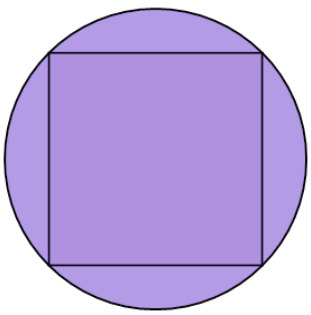
C $\frac{14}{2}\sqrt{2}$

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

E $\frac{49^2}{2}\pi$

F $2\sqrt{\frac{14}{2\pi}}$

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



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

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

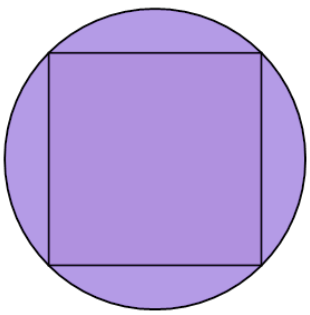
C $\frac{8}{\pi}$

D $\frac{4}{2}\sqrt{2}$

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

F 2π

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



A $\frac{12^2}{2}\pi$

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

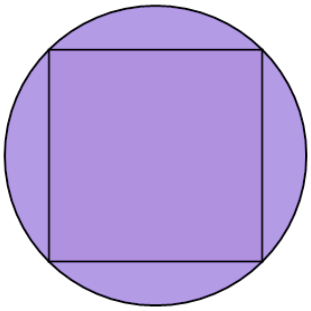
C $\frac{12}{\pi}$

D $\frac{36}{2}\sqrt{2}$

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

F 72

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



A 32

B $4\sqrt{32}$

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

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

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

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