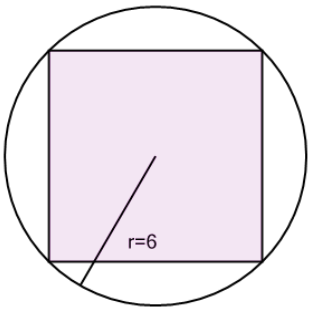
Name

Inscribed Square in Circle - Circle Radius to Square Side Length

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



A $\frac{36}{2}^2\pi$

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

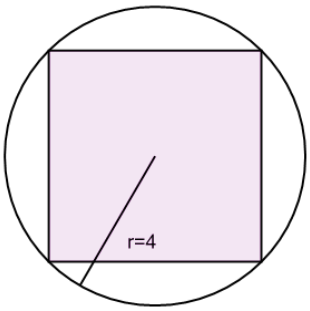
C $\frac{36}{2}\sqrt{2}$

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

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

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

2 Find the side length of a square inscribed in a circle with radius 4



A $2\sqrt{\frac{32}{2}}$

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

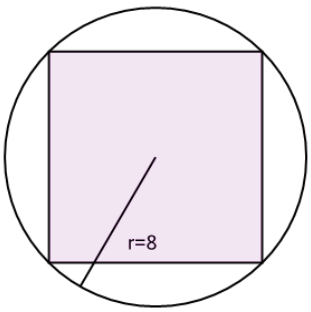
C $2\sqrt{\frac{4}{2}}$

D 8π

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

F $4\sqrt{8}$

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



A $\frac{128^2}{2}\pi$

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

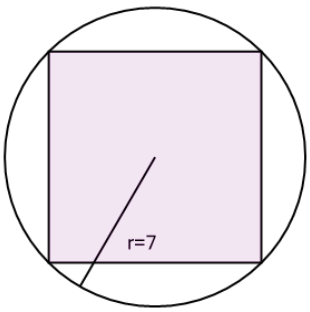
C $\frac{16}{2}^2\pi$

D $\frac{32}{\pi}$

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

F $2\sqrt{\frac{64}{2}}$

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



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

B $4\sqrt{14}$

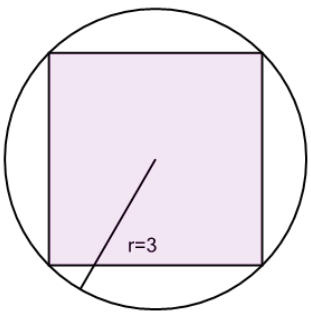
C $\frac{14}{2}^2\pi$

D $2\sqrt{\frac{7}{2}}$

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

F 25

5 Find the side length of a square inscribed in a circle with radius 3



A $(\sqrt{18})^2\pi$

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

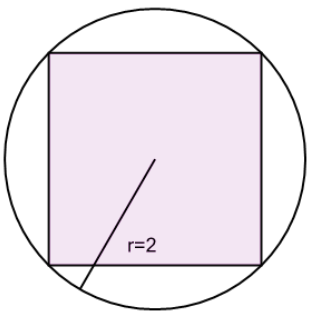
C $2\sqrt{\frac{3}{2}}$

D $2\sqrt{\frac{9}{2}}$

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

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

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



A $4\sqrt{2}$

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

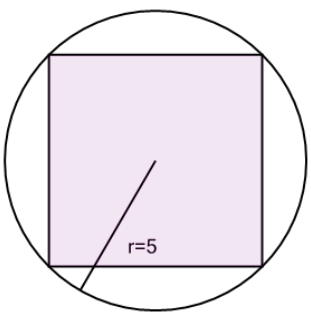
C $2\sqrt{\frac{2}{2}}$

D 4

E 2π

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

7 Find the side length of a square inscribed in a circle with radius 5



A 13π

B $2\sqrt{\frac{10}{2}}$

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

D $2\sqrt{\frac{50}{2}}$

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

F $2\sqrt{\frac{25}{2}}$