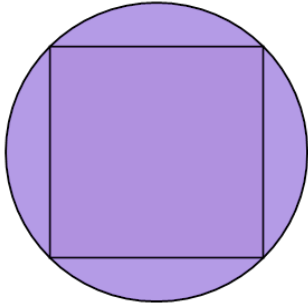


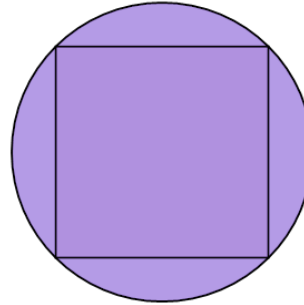
Inscribed Square in Circle - Circle Area to Square Area

1 Find the area of the square inscribed in a circle of area 6



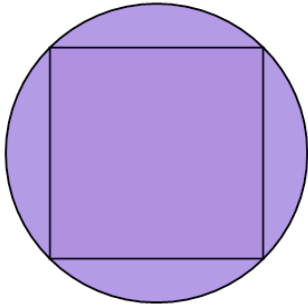
- A $\frac{72^2}{2} \pi$ B $\frac{6}{\pi}$ C $\frac{18}{2} \sqrt{2}$
- D $2\sqrt{\frac{36}{2\pi}}$ E $\frac{12}{\pi}$ F **12**

2 Find the area of the square inscribed in a circle of area 8



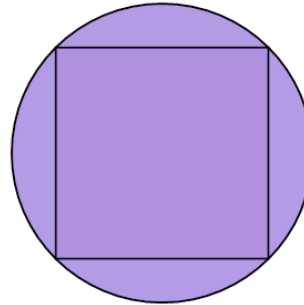
- A $\frac{128^2}{2} \pi$ B $\frac{16}{\pi}$ C $\frac{8}{\pi}$
- D $\frac{64^2}{2} \pi$ E **128** F $\frac{64^2}{2} \pi$

3 Find the area of the square inscribed in a circle of area 5



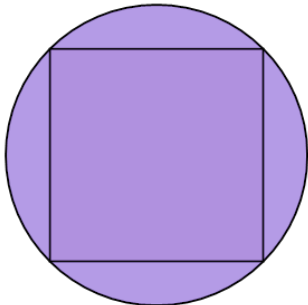
- A $\frac{10}{2} \sqrt{2}$ B $2\sqrt{\frac{10}{2\pi}}$ C $2\sqrt{\frac{13}{2}}$
- D $\frac{5}{\pi}$ E $2\sqrt{\frac{25}{2\pi}}$ F $\frac{10}{\pi}$

4 Find the area of the square inscribed in a circle of area 3



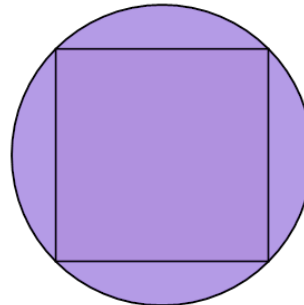
- A $2\sqrt{\frac{5}{2\pi}}$ B **6** C $2\sqrt{\frac{5}{2}}$
- D $\frac{6}{\pi}$ E $\frac{9^2}{2} \pi$ F $\frac{3}{\pi}$

5 Find the area of the square inscribed in a circle of area 7



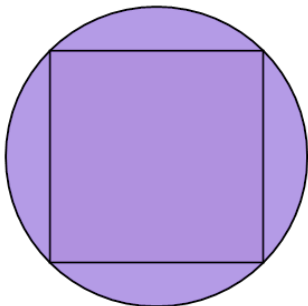
- A $\frac{14^2}{2} \pi$ B $\frac{14}{\pi}$ C $2\sqrt{\frac{14}{2\pi}}$
- D $\frac{7}{\pi}$ E $\frac{14^2}{2} \pi$

6 Find the area of the square inscribed in a circle of area 4



- A $2\sqrt{\frac{8}{2\pi}}$ B $\frac{4}{\pi}$ C $\frac{8}{\pi}$
- D $2\sqrt{\frac{32}{2\pi}}$ E **8π** F $(\sqrt{32})^2 \pi$

7 Find the area of the square inscribed in a circle of area 2



- A $\frac{2}{\pi}$ B $2\sqrt{\frac{2}{2\pi}}$ C $\frac{4}{\pi}$
- D $2\sqrt{\frac{8}{2\pi}}$ E $\frac{8}{2} \sqrt{2}$ F $\frac{4}{2} \sqrt{2}$