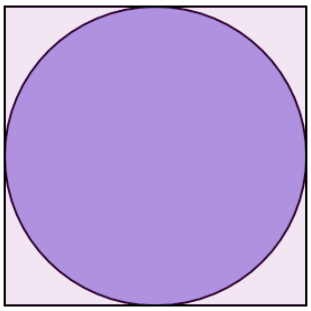
Name

Inscribed Circle in Square - Circle Area to Square Area

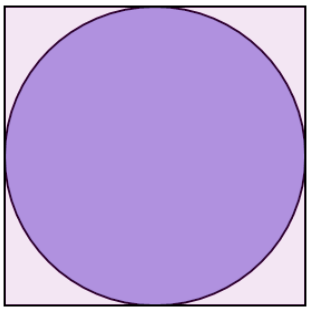
1 Find the area of the square that has an inscribed circle of area 3



A $\frac{6}{\pi}$ B 18 C 6π

D $\frac{12}{\pi}$ E $\frac{6^2}{2}\pi$ F $\frac{6}{2}\sqrt{2}$

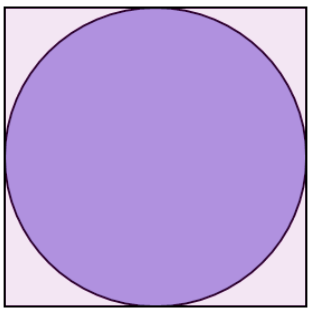
2 Find the area of the square that has an inscribed circle of area 2



A $\frac{8}{\pi}$ B $\frac{4}{\pi}$ C $4\sqrt{8}$

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

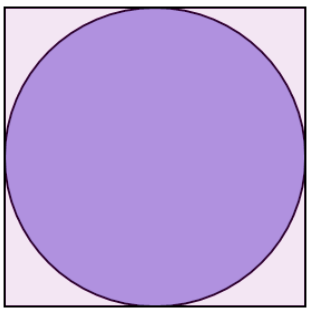
3 Find the area of the square that has an inscribed circle of area 8



A 64 B $\frac{32}{\pi}$ C $\frac{16}{\pi}$

D $\frac{64}{2}\sqrt{2}$ E $\frac{32^2}{2}\pi$ F $\frac{128^2}{2}\pi$

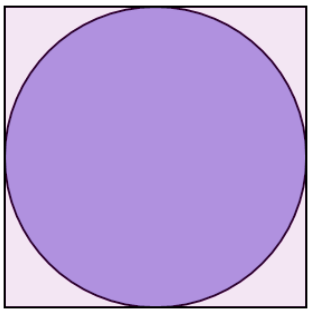
4 Find the area of the square that has an inscribed circle of area 5



A $\frac{50}{2}\sqrt{2}$ B 10π C $\frac{10}{\pi}$

D $\frac{13^2}{2}\pi$ E $\frac{20}{\pi}$ F $4\sqrt{10}$

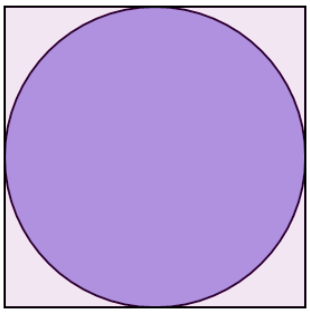
5 Find the area of the square that has an inscribed circle of area 7



A $\frac{98}{\pi}$ B $\frac{49^2}{2}\pi$ C $\frac{14^2}{2}\pi$

D $\frac{28}{\pi}$ E $4\sqrt{49}$ F $\frac{14}{\pi}$

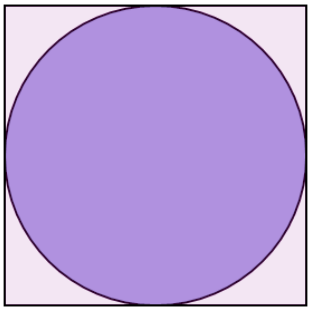
6 Find the area of the square that has an inscribed circle of area 4



A $(\sqrt{8})^2\pi$ B 8 C $\frac{8}{\pi}$

D $2\sqrt{\frac{8}{2\pi}}$ E $\frac{16}{\pi}$ F 16π

7 Find the area of the square that has an inscribed circle of area 6



A $2\sqrt{\frac{36}{2\pi}}$ B $2\sqrt{\frac{12}{2}}$ C $\frac{24}{\pi}$

D $2\sqrt{\frac{18}{2}}$ E $2\sqrt{\frac{12}{2\pi}}$ F $\frac{12}{\pi}$