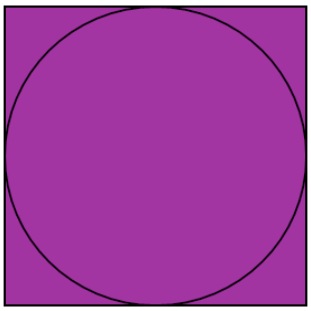
Name

Inscribed Circle in Square - Square Area to Circle Area

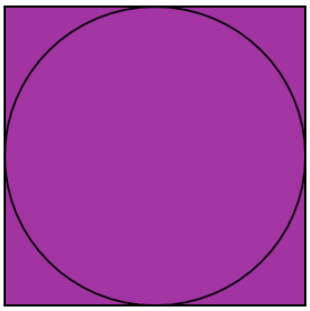
1 Find the area of the circle inscribed in a square of area 9



A $\frac{18}{4}\pi$ B $(\sqrt{5})^2\pi$ C 5π

D $\frac{6^2}{2}\pi$ E $\frac{5^2}{2}\pi$ F $\frac{9}{4}\pi$

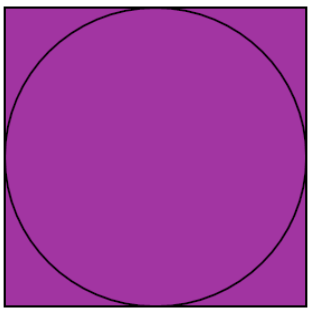
2 Find the area of the circle inscribed in a square of area 16



A $\frac{32}{4}\pi$ B $(\sqrt{16})^2\pi$ C $\frac{32^2}{2}\pi$

D $\frac{16}{4}\pi$ E $\frac{8}{\pi}$ F $2\sqrt{\frac{32}{2}}$

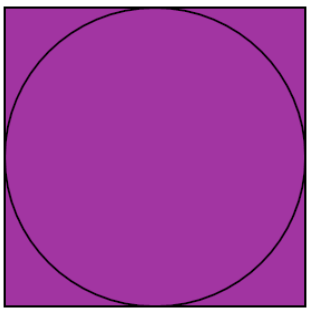
3 Find the area of the circle inscribed in a square of area 49



A $\frac{98}{\pi}$ B $\frac{98}{4}\pi$ C $\frac{25^2}{2}\pi$

D $(\sqrt{14})^2\pi$ E $\frac{49}{4}\pi$ F $\frac{49^2}{2}\pi$

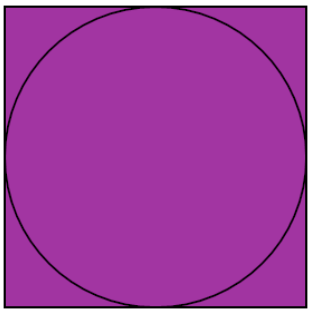
4 Find the area of the circle inscribed in a square of area 64



A $\frac{64}{2}\sqrt{2}$ B $(\sqrt{32})^2\pi$ C 32

D $\frac{64}{4}\pi$ E $\frac{128}{4}\pi$ F 128π

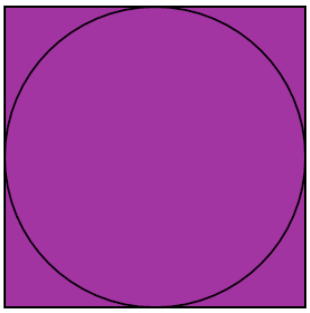
5 Find the area of the circle inscribed in a square of area 25



A $2\sqrt{\frac{13}{2}}$ B $\frac{50}{4}\pi$ C $4\sqrt{10}$

D $\frac{25}{4}\pi$ E $\frac{50}{\pi}$ F $\frac{13}{\pi}$

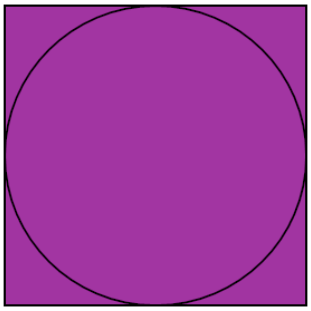
6 Find the area of the circle inscribed in a square of area 36



A $\frac{72}{2}\sqrt{2}$ B $\frac{36}{4}\pi$ C $\frac{72}{4}\pi$

D $\frac{72^2}{2}\pi$ E $2\sqrt{\frac{72}{2\pi}}$ F $\frac{36}{\pi}$

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



A $\frac{8}{4}\pi$ B 8 C $(\sqrt{2})^2\pi$

D $\frac{4}{4}\pi$ E 2π F $\frac{8}{2}\sqrt{2}$