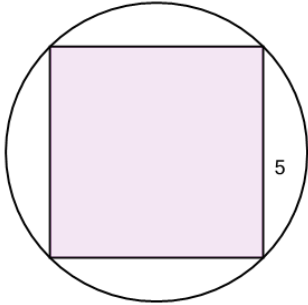


## Inscribed Square in Circle - Square Side Length to Circle Area

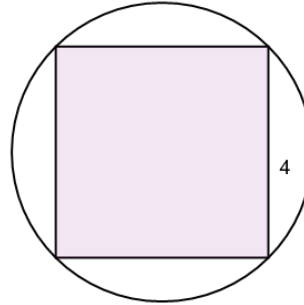
1 Find the area of the circle that has a 5x5 square inscribed



A	B	C
<b>10</b>	$\frac{5^2}{2} \pi$	$\frac{13^2}{2} \pi$

D	E	F
$4\sqrt{50}$	$\frac{2^2}{2} \pi$	$2\sqrt{\frac{13}{2\pi}}$

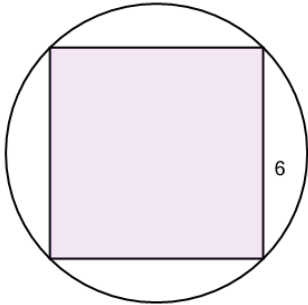
2 Find the area of the circle that has a 4x4 square inscribed



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

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

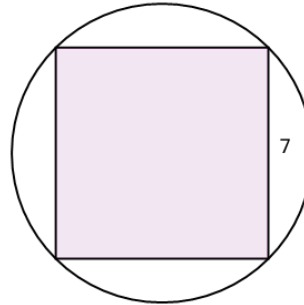
3 Find the area of the circle that has a 6x6 square inscribed



A	B	C
$\frac{18^2}{2} \pi$	$\frac{6^2}{2} \pi$	$\frac{36^2}{2} \pi$

D	E	F
$\frac{36^2}{2} \pi$	<b>12π</b>	$\frac{3^2}{2} \pi$

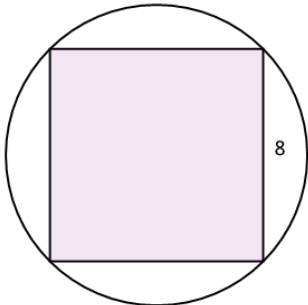
4 Find the area of the circle that has a 7x7 square inscribed



A	B	C
$\frac{7^2}{2} \pi$	$\frac{25}{\pi}$	$2\sqrt{\frac{25}{2\pi}}$

D	E	F
$\frac{3^2}{2} \pi$	$\frac{14}{2} \sqrt{2}$	$\frac{98}{\pi}$

5 Find the area of the circle that has a 8x8 square inscribed



A	B	C
$\frac{64^2}{2} \pi$	$\frac{4^2}{2} \pi$	$\frac{16^2}{2} \pi$

D	E	F
$\frac{32^2}{2} \pi$	<b>128</b>	$\frac{8^2}{2} \pi$