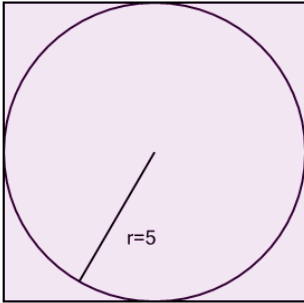


Inscribed Circle in Square - Circle Radius to Square Side Length

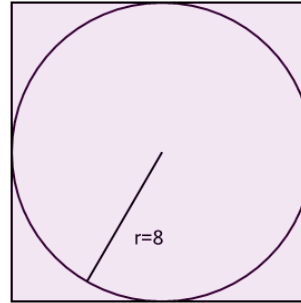
1 Find the side length of a square that has an inscribed circle with radius 5



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

D	E	F
13π	$\frac{25}{2}\sqrt{2}$	5

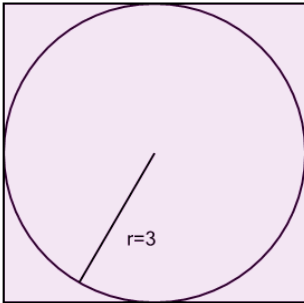
2 Find the side length of a square that has an inscribed circle with radius 8



A	B	C
16	$\frac{64}{2}\sqrt{2}$	$4\sqrt{32}$

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

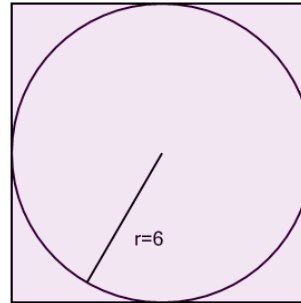
3 Find the side length of a square that has an inscribed circle with radius 3



A	B	C
6	$2\sqrt{\frac{18}{2\pi}}$	$\frac{9^2}{2}\pi$

D	E	F
$2\sqrt{\frac{6}{2\pi}}$	$4\sqrt{9}$	3

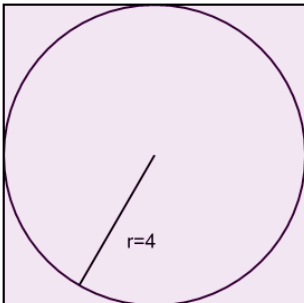
4 Find the side length of a square that has an inscribed circle with radius 6



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

D	E	
72π	6	

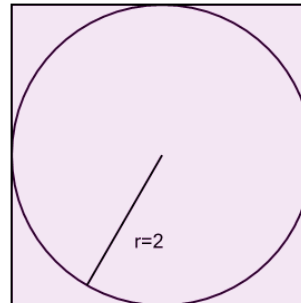
5 Find the side length of a square that has an inscribed circle with radius 4



A	B	C
$(\sqrt{8})^2\pi$	8	$(\sqrt{32})^2\pi$

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

6 Find the side length of a square that has an inscribed circle with radius 2



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

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