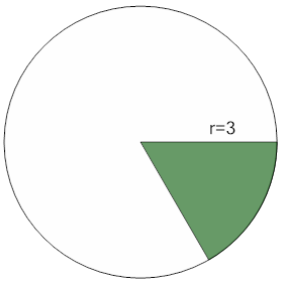
Name

Area of a Circle Sector From Fraction to Area (Equation)

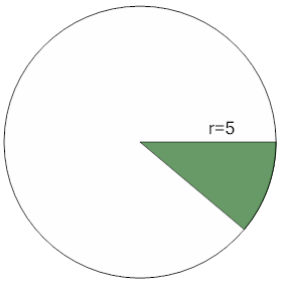
1



Find the area (in terms of π) of the green shaded sector that covers 1/6 of the circle with radius 3

A	$\frac{3}{2}\pi$	B	$\frac{11}{6}\pi$
C	$\frac{1}{3}\pi$	D	$\frac{1}{6}\pi$
E	$\frac{5}{6}\pi$		

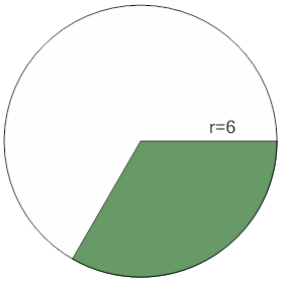
2



Find the area (in terms of π) of the green shaded sector that covers 1/9 of the circle with radius 5

A	$\frac{31}{9}\pi$	B	$\frac{13}{3}\pi$
C	$\frac{25}{9}\pi$	D	1π
E	$\frac{37}{9}\pi$		

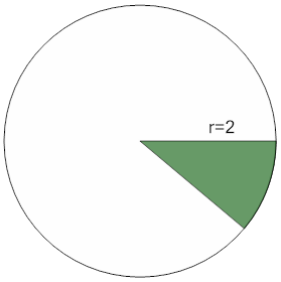
3



Find the area (in terms of π) of the green shaded sector that covers 1/3 of the circle with radius 6

A	6π	B	12π
C	4π	D	15π

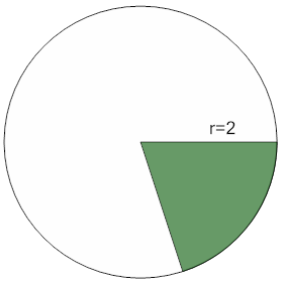
4



Find the area (in terms of π) of the green shaded sector that covers 1/9 of the circle with radius 2

A	$\frac{4}{9}\pi$	B	$\frac{2}{3}\pi$
C	$\frac{11}{9}\pi$	D	$\frac{8}{9}\pi$

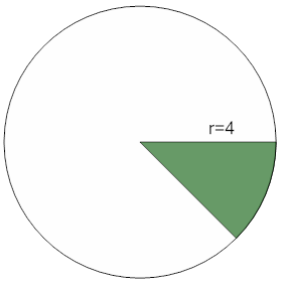
5



Find the area (in terms of π) of the green shaded sector that covers 1/5 of the circle with radius 2

A	$\frac{6}{5}\pi$	B	$\frac{11}{5}\pi$
C	$\frac{2}{5}\pi$	D	$\frac{4}{5}\pi$
E	$\frac{1}{5}\pi$		

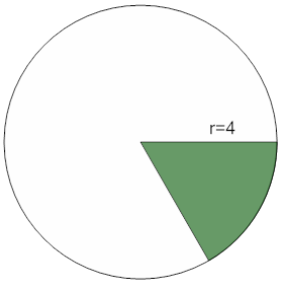
6



Find the area (in terms of π) of the green shaded sector that covers 1/8 of the circle with radius 4

A	2π	B	$\frac{13}{8}\pi$
C	$\frac{11}{8}\pi$	D	$\frac{5}{4}\pi$
E	$\frac{19}{8}\pi$		

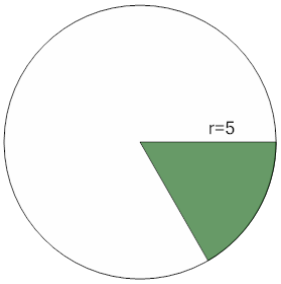
7



Find the area (in terms of π) of the green shaded sector that covers 1/6 of the circle with radius 4

A	$\frac{7}{2}\pi$	B	$\frac{8}{3}\pi$
C	$\frac{10}{3}\pi$	D	1π

8



Find the area (in terms of π) of the green shaded sector that covers 1/6 of the circle with radius 5

A	$\frac{25}{6}\pi$	B	$\frac{3}{2}\pi$
C	$\frac{19}{6}\pi$	D	$\frac{7}{6}\pi$
E	$\frac{5}{2}\pi$		