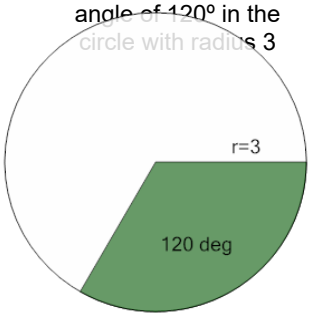
Name

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

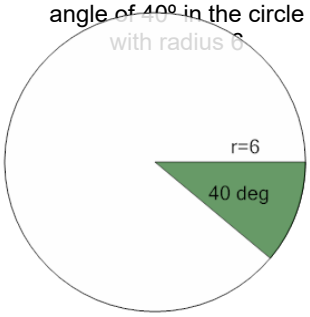
1 Find the area (in terms of π) of the green shaded sector with an angle of 120° in the circle with radius 3



A $\frac{16}{3}\pi$ B 3π C 1π

D $\frac{13}{3}\pi$

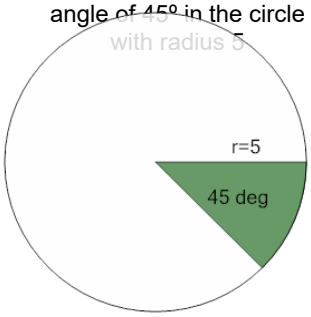
2 Find the area (in terms of π) of the green shaded sector with an angle of 40° in the circle with radius 6



A $\frac{2}{3}\pi$ B 3π C $\frac{5}{3}\pi$

D $\frac{17}{3}\pi$ E 4π

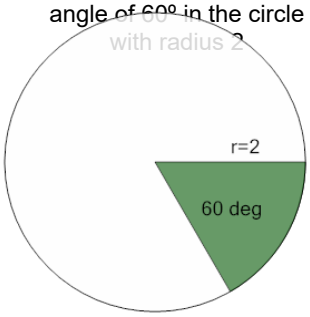
3 Find the area (in terms of π) of the green shaded sector with an angle of 45° in the circle with radius 5



A $\frac{43}{8}\pi$ B $\frac{21}{8}\pi$ C $\frac{41}{8}\pi$

D $\frac{25}{8}\pi$ E $\frac{11}{8}\pi$

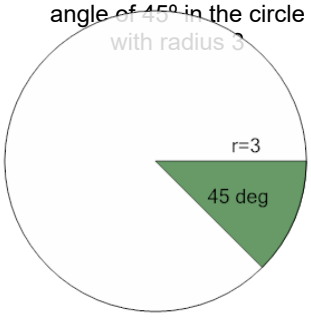
4 Find the area (in terms of π) of the green shaded sector with an angle of 60° in the circle with radius 2



A $\frac{1}{3}\pi$ B $\frac{2}{3}\pi$ C 1π

D $\frac{5}{6}\pi$ E $\frac{1}{2}\pi$

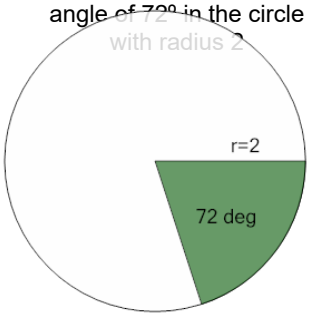
5 Find the area (in terms of π) of the green shaded sector with an angle of 45° in the circle with radius 3



A $\frac{5}{8}\pi$ B $\frac{13}{8}\pi$ C 2π

D $\frac{7}{4}\pi$ E $\frac{9}{8}\pi$

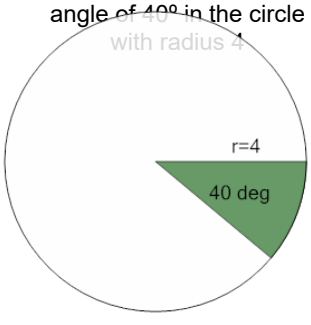
6 Find the area (in terms of π) of the green shaded sector with an angle of 72° in the circle with radius 2



A $\frac{4}{5}\pi$ B 1π C $\frac{9}{5}\pi$

D $\frac{11}{5}\pi$ E $\frac{3}{5}\pi$

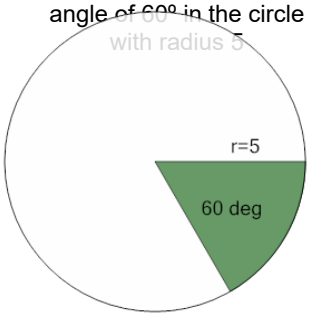
7 Find the area (in terms of π) of the green shaded sector with an angle of 40° in the circle with radius 4



A $\frac{5}{3}\pi$ B $\frac{16}{9}\pi$ C $\frac{8}{3}\pi$

D $\frac{25}{9}\pi$ E $\frac{7}{9}\pi$

8 Find the area (in terms of π) of the green shaded sector with an angle of 60° in the circle with radius 5



A $\frac{5}{2}\pi$ B $\frac{7}{6}\pi$ C $\frac{25}{6}\pi$

D $\frac{31}{6}\pi$ E $\frac{13}{6}\pi$