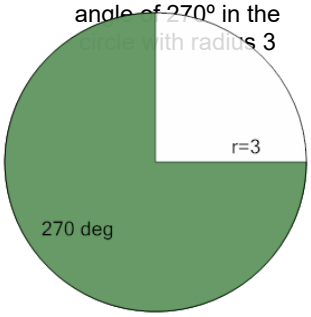
Name

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

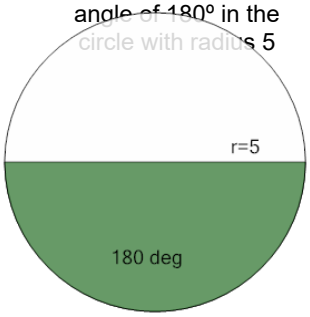
1 Find the area (in terms of π) of the green shaded sector with an angle of 270° in the circle with radius 3



A $\frac{9}{4}\pi$ B $\frac{25}{4}\pi$ C $\frac{11}{4}\pi$

D $\frac{19}{4}\pi$ E $\frac{27}{4}\pi$

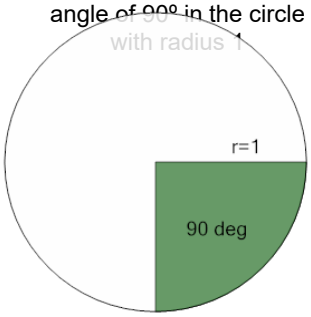
2 Find the area (in terms of π) of the green shaded sector with an angle of 180° in the circle with radius 5



A $\frac{25}{2}\pi$ B $\frac{35}{2}\pi$ C $\frac{65}{4}\pi$

D 15π E 5π

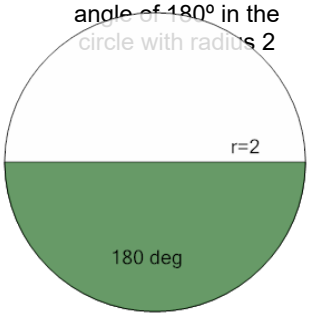
3 Find the area (in terms of π) of the green shaded sector with an angle of 90° in the circle with radius 1



A $\frac{1}{4}\pi$ B $\frac{5}{2}\pi$ C $\frac{7}{4}\pi$

D $\frac{3}{4}\pi$

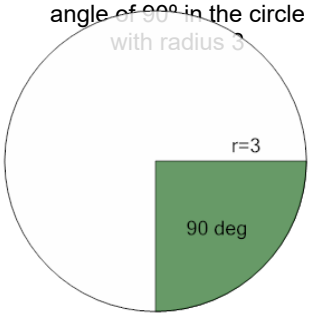
4 Find the area (in terms of π) of the green shaded sector with an angle of 180° in the circle with radius 2



A 2π B 3π C 4π

D $\frac{5}{2}\pi$

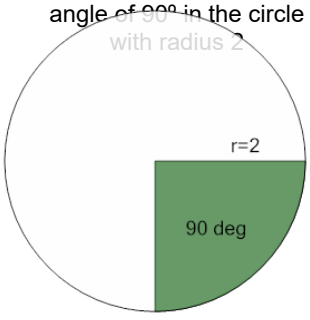
5 Find the area (in terms of π) of the green shaded sector with an angle of 90° in the circle with radius 3



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

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

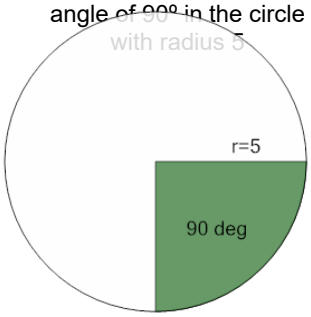
6 Find the area (in terms of π) of the green shaded sector with an angle of 90° in the circle with radius 2



A $\frac{3}{4}\pi$ B 2π C $\frac{3}{2}\pi$

D $\frac{9}{4}\pi$ E 1π

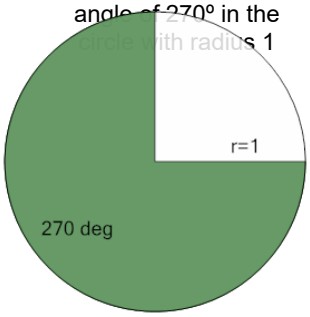
7 Find the area (in terms of π) of the green shaded sector with an angle of 90° in the circle with radius 5



A $\frac{9}{4}\pi$ B $\frac{5}{4}\pi$ C $\frac{43}{4}\pi$

D $\frac{37}{4}\pi$ E $\frac{25}{4}\pi$

8 Find the area (in terms of π) of the green shaded sector with an angle of 270° in the circle with radius 1



A $\frac{1}{4}\pi$ B $\frac{3}{4}\pi$ C $\frac{5}{4}\pi$

D $\frac{7}{4}\pi$