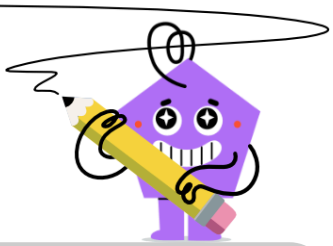
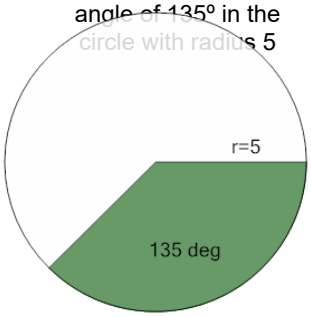
Name

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

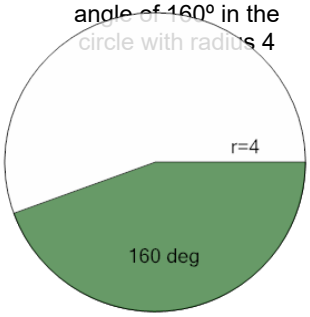


1 Find the area (in terms of π) of the green shaded sector with an angle of 135° in the circle with radius 5



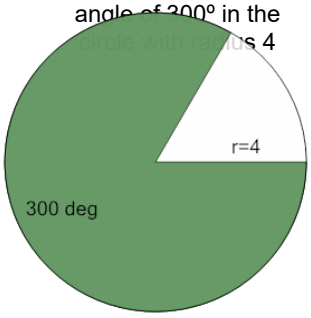
A $\frac{31}{2}\pi$ B $\frac{13}{4}\pi$ C $\frac{103}{8}\pi$ D $\frac{75}{8}\pi$

2 Find the area (in terms of π) of the green shaded sector with an angle of 160° in the circle with radius 4



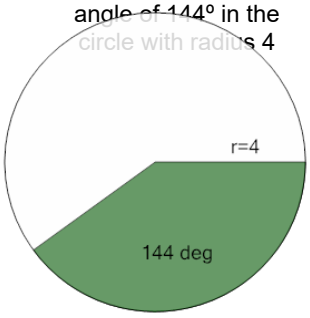
A $\frac{22}{9}\pi$ B $\frac{70}{9}\pi$ C $\frac{64}{9}\pi$ D $\frac{52}{9}\pi$ E $\frac{100}{9}\pi$

3 Find the area (in terms of π) of the green shaded sector with an angle of 300° in the circle with radius 4



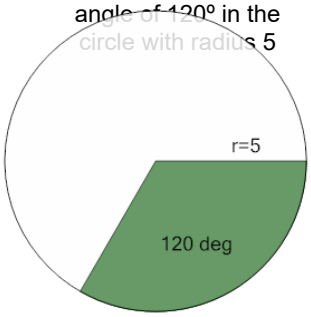
A $\frac{28}{3}\pi$ B $\frac{68}{3}\pi$ C $\frac{40}{3}\pi$ D $\frac{8}{3}\pi$ E $\frac{32}{3}\pi$

4 Find the area (in terms of π) of the green shaded sector with an angle of 144° in the circle with radius 4



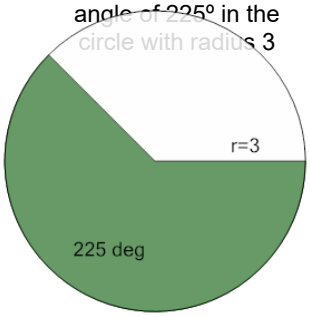
A $\frac{32}{5}\pi$ B $\frac{53}{5}\pi$ C $\frac{23}{5}\pi$ D $\frac{56}{5}\pi$ E 1π

5 Find the area (in terms of π) of the green shaded sector with an angle of 120° in the circle with radius 5



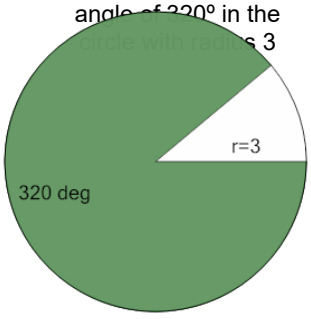
A $\frac{19}{3}\pi$ B $\frac{29}{3}\pi$ C $\frac{43}{3}\pi$ D $\frac{25}{3}\pi$ E $\frac{5}{3}\pi$

6 Find the area (in terms of π) of the green shaded sector with an angle of 225° in the circle with radius 3



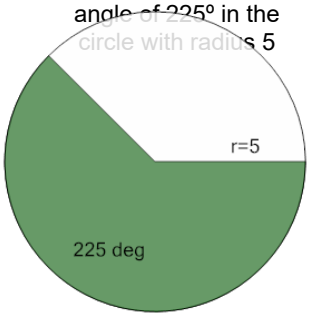
A $\frac{73}{8}\pi$ B $\frac{53}{8}\pi$ C $\frac{37}{8}\pi$ D $\frac{45}{8}\pi$ E $\frac{5}{8}\pi$

7 Find the area (in terms of π) of the green shaded sector with an angle of 320° in the circle with radius 3



A $\frac{31}{3}\pi$ B $\frac{38}{3}\pi$ C 8π D $\frac{58}{9}\pi$

8 Find the area (in terms of π) of the green shaded sector with an angle of 225° in the circle with radius 5



A $\frac{5}{8}\pi$ B $\frac{77}{8}\pi$ C $\frac{125}{8}\pi$ D $\frac{29}{8}\pi$ E $\frac{41}{8}\pi$