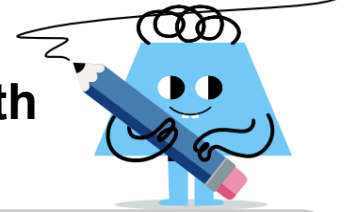
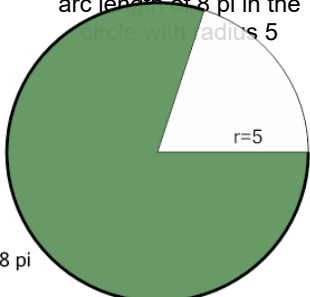
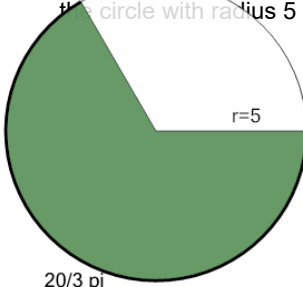
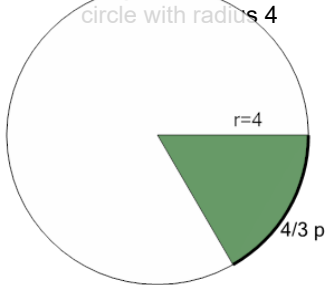
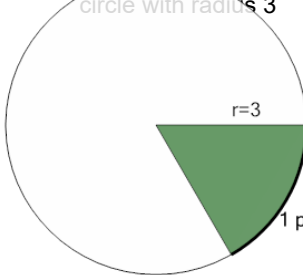
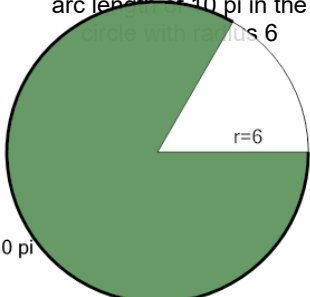
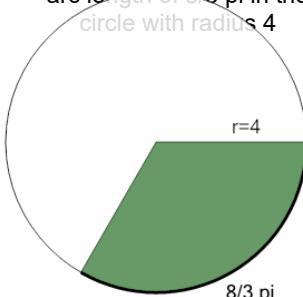
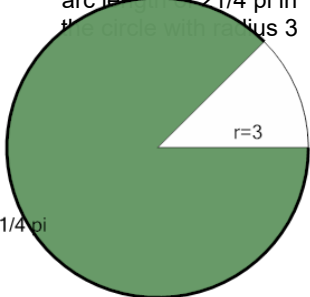
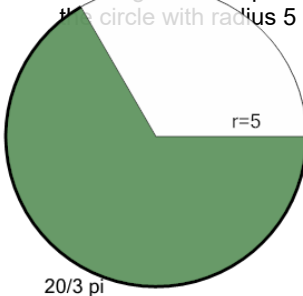




Area of a Circle Sector From Arc Length to Area (Equation)



<p>1 Find the area (in terms of π) of the green shaded sector with an arc length of 8π in the circle with radius 5</p> 	<p>A 6π</p> <p>B 32π</p> <p>C 12π</p> <p>D 10π</p> <p>E 20π</p>
<p>2 Find the area (in terms of π) of the green shaded sector with an arc length of $20/3\pi$ in the circle with radius 5</p> 	<p>A $\frac{20}{3}\pi$</p> <p>B 25π</p> <p>C 15π</p> <p>D $\frac{50}{3}\pi$</p> <p>E $\frac{40}{3}\pi$</p>
<p>3 Find the area (in terms of π) of the green shaded sector with an arc length of $4/3\pi$ in the circle with radius 4</p> 	<p>A $\frac{3}{2}\pi$</p> <p>B 1π</p> <p>C $\frac{8}{3}\pi$</p> <p>D $\frac{19}{6}\pi$</p> <p>E 3π</p>
<p>4 Find the area (in terms of π) of the green shaded sector with an arc length of 1π in the circle with radius 3</p> 	<p>A $\frac{7}{3}\pi$</p> <p>B $\frac{13}{6}\pi$</p> <p>C $\frac{5}{3}\pi$</p> <p>D $\frac{8}{3}\pi$</p> <p>E $\frac{3}{2}\pi$</p>
<p>5 Find the area (in terms of π) of the green shaded sector with an arc length of 10π in the circle with radius 6</p> 	<p>A 33π</p> <p>B 12π</p> <p>C 57π</p> <p>D 30π</p> <p>E 21π</p>
<p>6 Find the area (in terms of π) of the green shaded sector with an arc length of $8/3\pi$ in the circle with radius 4</p> 	<p>A $\frac{7}{3}\pi$</p> <p>B $\frac{1}{3}\pi$</p> <p>C $\frac{5}{6}\pi$</p> <p>D $\frac{35}{6}\pi$</p> <p>E $\frac{16}{3}\pi$</p>
<p>7 Find the area (in terms of π) of the green shaded sector with an arc length of $21/4\pi$ in the circle with radius 3</p> 	<p>A $\frac{117}{8}\pi$</p> <p>B $\frac{99}{8}\pi$</p> <p>C $\frac{105}{8}\pi$</p> <p>D $\frac{93}{8}\pi$</p> <p>E $\frac{63}{8}\pi$</p>
<p>8 Find the area (in terms of π) of the green shaded sector with an arc length of $20/3\pi$ in the circle with radius 5</p> 	<p>A $\frac{35}{3}\pi$</p> <p>B 25π</p> <p>C $\frac{65}{3}\pi$</p> <p>D 30π</p> <p>E $\frac{50}{3}\pi$</p>