

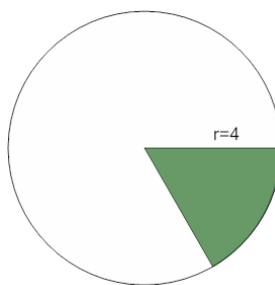


Math worksheet on 'Area of a Circle Sector From Area to Angle (Equation) (Level 2)'. Part of a broader unit on 'Geometry - Circle Area, Sectors and Donuts - Intro'

Learn online:

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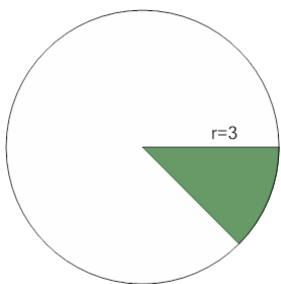
1



Find the sector angle for a sector with area  $\frac{8}{3}\pi$  in a circle of radius 4

<b>a</b>	240°	<b>b</b>	90°
<b>c</b>	120°	<b>d</b>	270°
<b>e</b>	30°	<b>f</b>	60°

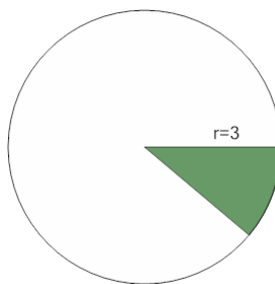
2



Find the sector angle for a sector with area  $\frac{9}{8}\pi$  in a circle of radius 3

<b>a</b>	205°	<b>b</b>	75°
<b>c</b>	45°	<b>d</b>	155°
<b>e</b>	95°	<b>f</b>	125°

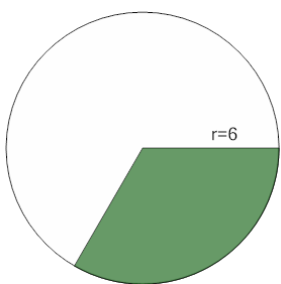
3



Find the sector angle for a sector with area  $1\pi$  in a circle of radius 3

<b>a</b>	20°	<b>b</b>	60°
<b>c</b>	80°	<b>d</b>	40°
<b>e</b>	200°	<b>f</b>	160°

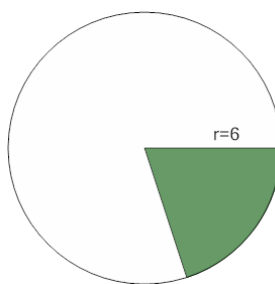
4



Find the sector angle for a sector with area  $12\pi$  in a circle of radius 6

<b>a</b>	300°	<b>b</b>	660°
<b>c</b>	480°	<b>d</b>	120°
<b>e</b>	360°	<b>f</b>	180°

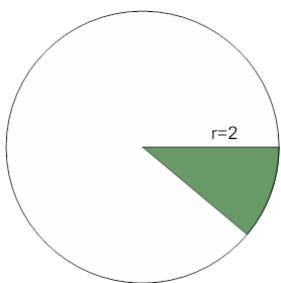
5



Find the sector angle for a sector with area  $\frac{36}{5}\pi$  in a circle of radius 6

<b>a</b>	247°	<b>b</b>	208°
<b>c</b>	68°	<b>d</b>	33°
<b>e</b>	2°	<b>f</b>	72°

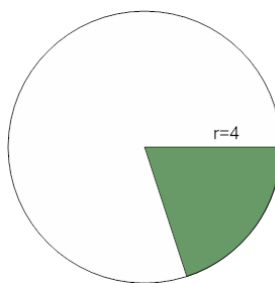
6



Find the sector angle for a sector with area  $\frac{4}{9}\pi$  in a circle of radius 2

<b>a</b>	120°	<b>b</b>	100°
<b>c</b>	40°	<b>d</b>	20°
<b>e</b>	160°	<b>f</b>	200°

7



Find the sector angle for a sector with area  $\frac{16}{5}\pi$  in a circle of radius 4

<b>a</b>	103°	<b>b</b>	317°
<b>c</b>	107°	<b>d</b>	177°
<b>e</b>	72°	<b>f</b>	247°