

Name: _____ Date: _____ Row: _____ Period: _____

NOTES SECTION 11.6: ARC LENGTHS AND AREAS OF SECTORS

SECTOR OF A CIRCLE

ARC LENGTH & AREAS OF SECTORS

Sector AOB is described by giving $m(\angle AOB)$ and the radius of circle O .

Make a sketch and find the length of AB .

	1)	2)	3)	4)	5)
$m(\angle AOB)$					
radius					

1)	2)	3)
4)	5)	

Sector AOB is described by giving $m(\angle AOB)$ and the radius of circle O .
 Make a sketch and find the area of sector AOB .

	6)	7)	8)	9)	10)
$m(\angle AOB)$					
radius					

6)	7)	8)
9)	10)	

11) The area of sector AOB is _____ and $m(\angle AOB) = 270$. Find the radius of circle O .	12) The area of sector AOB is _____ and $m(\angle AOB) = 40$. Find the radius of circle O .
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Find the area of the shaded region. Point O marks the center of each circle.

