

11-5: Areas of Circles

C.O.: _____

L.O.: _____

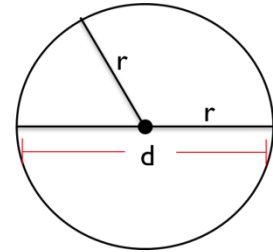
Circles Equations:

Circumference:

Area:

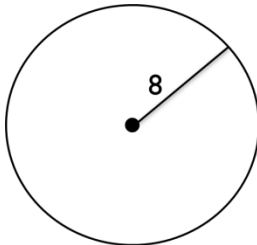
With Radius r :

With Diameter d :

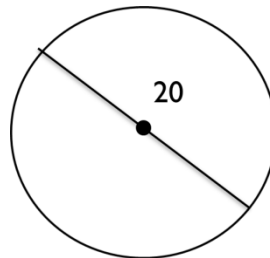


Practice: Find the area and circumference of a circle with the given radius or diameter.

1.)



2.)



3.) Given a circle with area of 75π ,

find the

Radius:

Diameter:

Circumference:

4.) Given a circle with a

circumference of 30π , find the

Radius:

Diameter:

Circumference:

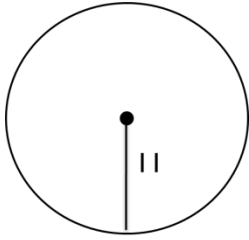
Complete the Table.

Radius	3	4	0.8					
Circumference				10π	18π			
Area						36π	49π	144π

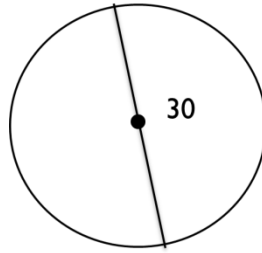
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Group Practice: Find the area and circumference of a circle with the given radius or diameter.

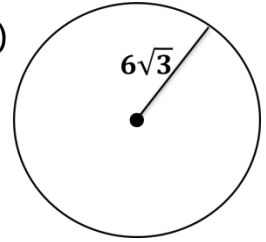
1.)



2.)



3.)



4.) Given a circle with area of 36π ,

find the

Radius:

Diameter:

Circumference:

5.) Given a circle with a

circumference of 25π , find the

Radius:

Diameter:

Circumference:

6.) Given a circle with area of 80π ,

find the

Radius:

Diameter:

Circumference:

7.) Given a circle with a

circumference of 40π , find the

Radius:

Diameter:

Circumference:

Complete the Table

Radius	7	120	$\frac{5}{2}$	$6\sqrt{2}$				
Circumference					20π	12π		
Area							25π	50π