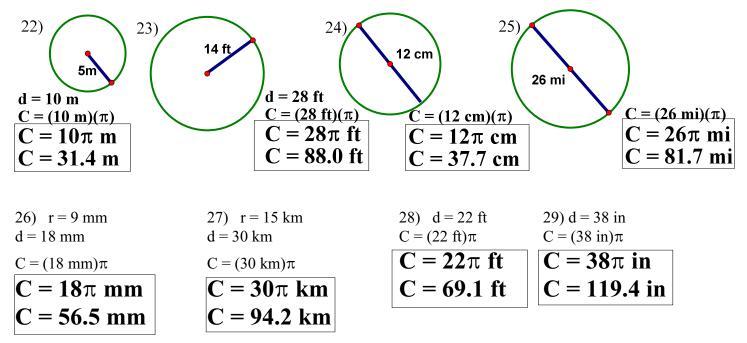
	Circles 2.1(KEY)				
1) Give the ratio that defines pi.	defines pi. Give the number of letters to name each object below.				
$\mathbf{C}/\mathbf{d} = \pi$	2) Diameter $2$ 3) Tangent $2$ 4) Minor arc $2$				

5) $r = 8$ in. Find d. d = (8 in)2 = 16 in.	6) $r = 15$ yds. Find d. d = (15  yds)2 = 30  yds	,	
8) $d = 26$ cm. Find r.	9) $d = 14$ ft. Find r.	10) $d = 49$ km. Find r.	
/	r = (14  ft)/2 = 7  ft  r	/	
11) $d = 111$ mi. Find r.	12) $r = 78$ mm. Find d.	13) $r = 63$ dm. Find d.	
	• • • • •	10(	1

r = (111 mi)/2 = <b>55.5</b> mi	d = (78  mm)2 = 156  mm	d = (63  dm)2 = 126  dm
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Use the figures at the right (14) $m \widehat{AB} = 168^{\circ}$	to find the indicated arc r 15) $m \widehat{EH} = 137^{\circ}$	neasure. 16) $\widehat{m} \widehat{AD} = 110^{\circ}$		H
$17) m \widehat{HJE} = 223^{\circ}$	15) $m \widehat{EH} = 137^{\circ}$ 18) $m \widehat{DBA} = 250^{\circ}$	$19)  m \widehat{HE} = 137^{\circ}$	168° C 82° D	G 96° F
20) <i>m</i> ADB = <b>192°</b>	21) $m \widehat{FHE} = 319^{\circ}$			

Find the circumference of each circle below in terms of pi and to the nearest tenth.



Given the circumference of a circle, find its' radius and diameter to the nearest tenth.

30) 
$$c = 16\pi$$
 m  
 $d = (16\pi m)/\pi$ 31)  $c = 10\pi$  yds  
 $d = (10\pi$  yds)/ $\pi$ 32)  $c = 100$  ft  
 $d = (100 \text{ ft})/\pi$ 33)  $c = 264$  cm  
 $d = (264 \text{ cm})/\pi$  $d = 16$  m  
 $r = 8$  m $d = 10$  yds  
 $r = 5$  yds $d = 31.8$  ft  
 $r = 15.9$  ft $d = 84.0$  cm  
 $r = 42$  cm

Given the measure of an arc, name its' central and inscribed angles and give their measures.

