Circles 2.3
Geometry

1) State the ratio that defines pi.

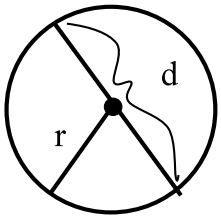
Give the number of letters to name each object below.

2) Major arc 3) Radius 4) Chord

Use the information given in each problem below and the figure at the right to answer each question.

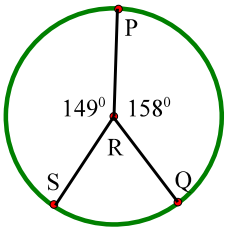
5) r = 3 in. Find d. 6) d = 34 cm. Find r. 7) r = 115 m. Find d.

8) r = 32 yds. Find d. 9) d = 98 ft. Find r. 10) d = 237 km. Find r.

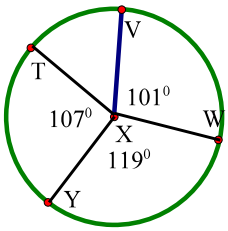


Use the figures at the right to find the indicated arc measure.

11) $m\overset{\frown}{PQ}$ 12) $m\overset{\frown}{SQ}$ 13) $m\overset{\frown}{PSQ}$



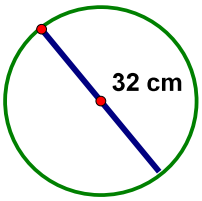
14) $m\overset{\frown}{WY}$ 15) $m\overset{\frown}{WT}$ 16) $m\overset{\frown}{WYT}$



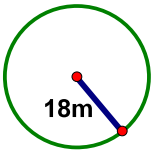
17) $m\overset{\frown}{VWY}$ 18) $m\overset{\frown}{VY}$ 19) $m\overset{\frown}{WVY}$ 20) $m\overset{\frown}{WTY}$

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

21)



22)



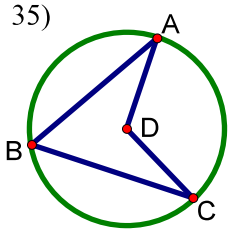
23) r = 11 ft 24) d = 26 in

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

31) c = 9π m 32) c = 44π yds 33) c = 82 ft 34) c = 764 cm

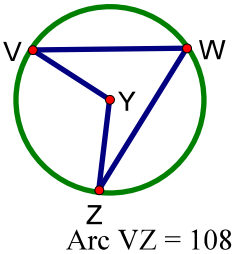
Given the measure of an arc, name its' central and inscribed angles and give their measures.

35)



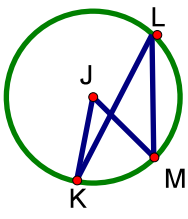
Arc AC = 128°

36)



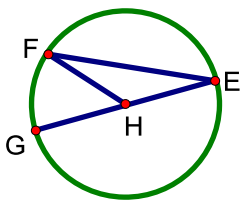
Arc VZ = 108°

37)



Arc KM = 32°

38)



Arc FG = 29°