NAME _____   DATE_____

BELLWORK: <u>CIRCLE VOCABULARY REVIEW</u>

In Exercises 1 – 10, $\overline{MQ}$ and $\overline{NR}$ are diameters.   Find the indicated measure.

1. $m\overset{\frown}{MN}$ _____

2. $m\overset{\frown}{NQ}$ _____

3. $m\overset{\frown}{NQR}$ _____

4. $m\overset{\frown}{MRP}$ _____

5. $m\overset{\frown}{QR}$ _____

6. $m\overset{\frown}{MR}$ _____

7. $m\overset{\frown}{QMR}$ _____

8. $m\overset{\frown}{PQ}$ _____

9. $m\overset{\frown}{PRN}$ _____

10. $m\overset{\frown}{MQN}$ _____
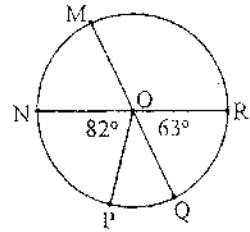
Directions: Find the value of the unknown.

11.

Inscribed   _____

12.

Arc ————

13.

Inscribed   _____
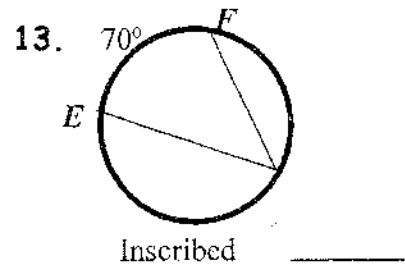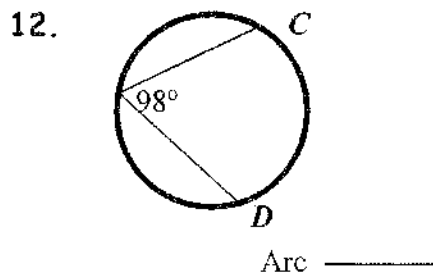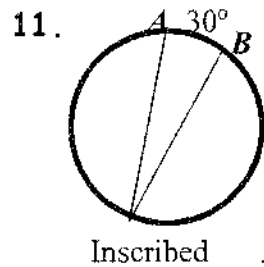
Directions: Give the name or the symbol for each part of the circle.
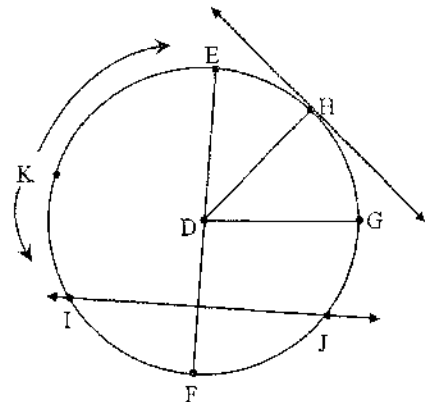
14.   arc   _____

15.   secant   _____

16.   chord   _____
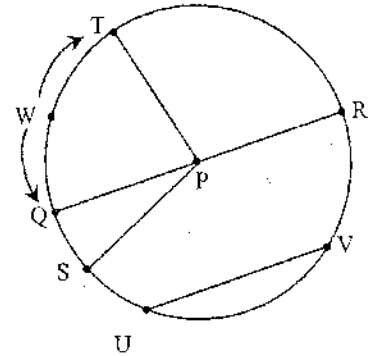
17.   tangent   _____

18.   central angle _____
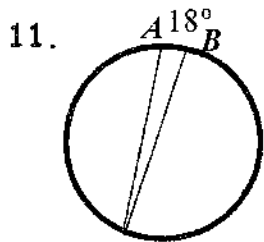
Circle Vocabulary Test

Name _____

Directions: Give the name or the symbol for each part of the circle.

1. P _____

2. $\overline{UV}$ _____

3. $\overline{QR}$ _____

4. $\overline{PS}$ _____

5. $\overset{\frown}{RV}$ _____

6. W _____

7. ∠QPS _____

8. $\overline{QR}$ _____

9. $\overline{PR}$ _____

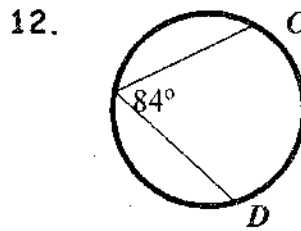10. $\overset{\frown}{UV}$ _____

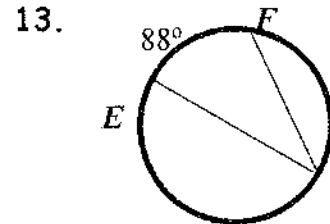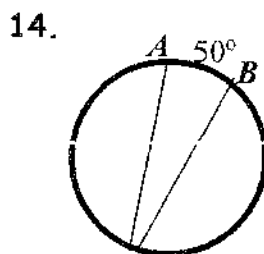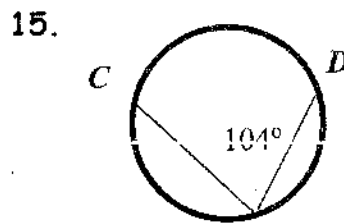| Arc	Center	Chord	Circumference	Central Angle	Diameter	Pi	Radius

Directions: Find the measure for each problem.

11. $A\,18°\,B$

Inscribed Angle = _____

12. C   84°   D

Arc _____

13. 88°   F   E

Inscribed Angle = _____
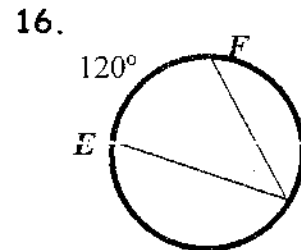
14. A   50°   B

Inscribed Angle = _____

15. C   D   104°

Arc _____

16. 120°   F   E

Inscribed Angle = _____

Directions: MQ and NR are diameters. Find the indicated measure.

17. $m\overset{\frown}{MN}$ _____

18. $m\overset{\frown}{NQ}$ _____

19. $m\overset{\frown}{NQR}$ _____

20. $m\overset{\frown}{MRP}$ _____
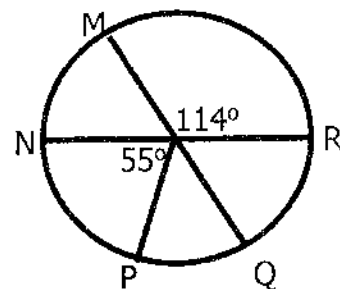
M   114°   R   N   55°   P   Q

E1

Cornell Notes
Questions
Use words like
compare/contrast,
explain, describe, why...
in your questions.

Name _____   Date _____

5.2 Notes on PARTS OF A CIRCLE

Def'n – <u>radius</u> -The _____ joining the _____ center of a circle to a _____ on the circle.

Picture:

Def'n – <u>chord</u> - A _____ joining _____ points on a circle.

Picture:

Def'n – <u>diameter</u> - A _____ that passes through the _____ of a circle.

Picture:

Def'n – <u>secant</u> - A line that intersects the circle at _____ _____ _____.

Picture:

Def'n – <u>tangent to a circle</u> - A _____ that intersects a circle _____ _____ _____.

Picture:

Def'n – <u>arc</u> - A figure consisting of _____ _____ on a circle and all the points on the circle needed to connect them by a _____ _____.

Picture:

Cornell Notes
Questions
Use words like
compare/contrast,
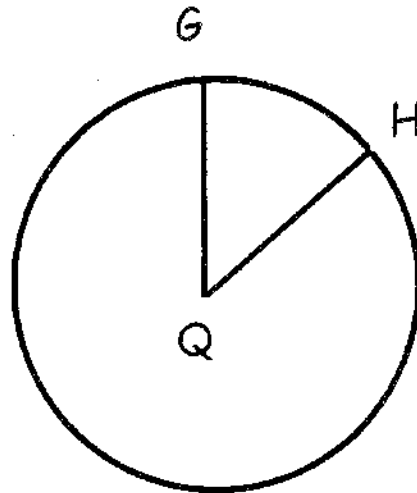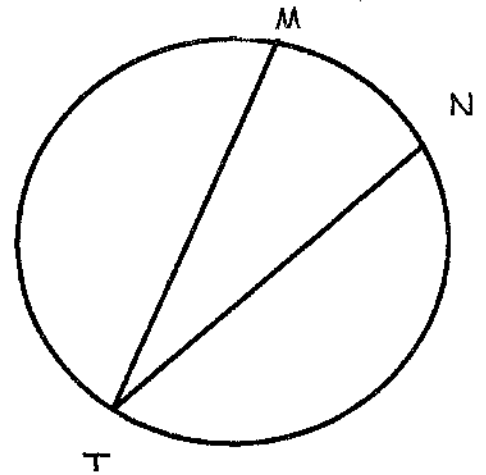explain, describe, why...
in your questions.

G

H

Q

Figure 1

M

N

T

Figure 2

Def'n – <u>central angle</u> - An angle whose _____ is the _____ of the circle.

Def'n – <u>inscribed angle</u> - An angle whose vertex is _____ _____ _____ and sides are determined by _____ _____.

Def'n – <u>intercepted arc</u> - An arc that lies in the _____ of a _____ _____.

✓ An inscribed angle is equal in measure to _____ of the measure of its _____ _____.

✓ So the measure of angle _____ is equal to ½ of the measure of arc _____.
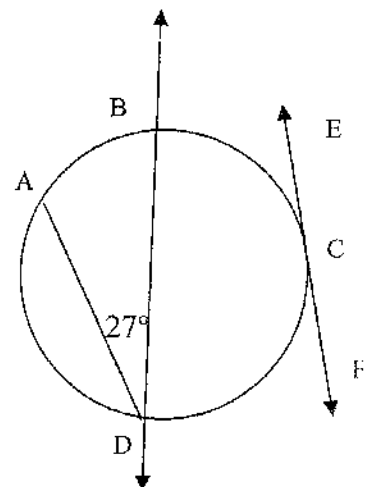
EX. 1 Refer to the picture at the right.
a.) Name a tangent: _____

b.) Name a secant: _____

c.) Name a chord: _____

d.) Name an inscribed angle: _____

e.) Give the measure of arc AB.

B

E

A

C

27°

F

D

Summary: _____