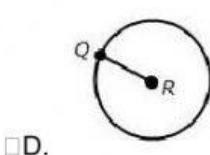
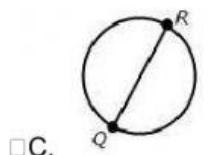
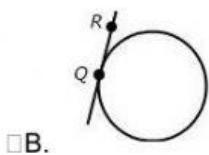
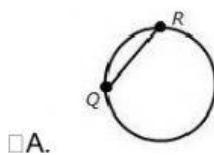


Name _____

Circles, Angles, and Triangles Test

1. Which illustration best shows \overline{QR} as the diameter of the circle?



2. How many congruent sides does a scalene triangle have?

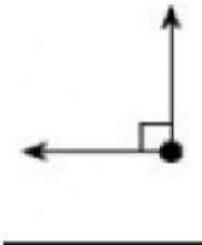
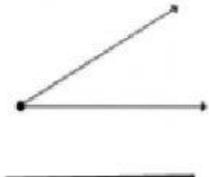
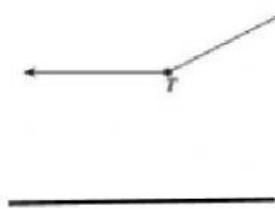
A. none

B. one

C. two

D. three

3. Write the type of angle pictured (acute, obtuse, right, straight) on the blank.



4. Which figure appears to be an isosceles triangle?

Figure A

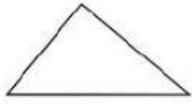


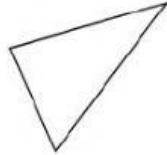
Figure B



Figure C



Figure D



A. Figure A

B. Figure B

C. Figure C

D. Figure D

5. An angle has a measurement of 87 degrees. How would this angle be classified?

A. acute

B. obtuse

C. right

D. straight

6. Which of the following tools would be appropriate to measure an angle?

A. ruler

B. compass

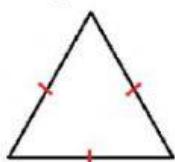
C. balance scale

D. protractor

7. Fill in the blanks to complete the chart.

Radius	Diameter	Circumference
_____	8	_____

8. Look at the triangle and its markings.



The markings on the triangle tell you that:

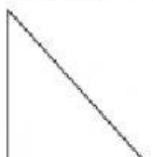
A. It is an equilateral triangle because it has 3 acute angles. B. It is a scalene triangle because none of the sides are congruent. C. It is an equilateral triangle because all 3 sides are congruent. D. It is an equilateral triangle because all 3 angles are congruent.

9. Which would most likely be the measurement of angle XYZ?



A. 45° B. 180° C. 145° D. 95°

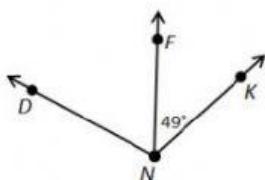
10. Write the type of triangle pictured (**right, acute, obtuse**) on the blank.







11. Look at the figure below.



If angle DNK is equal to 110° and angle FNK is equal to 49°, what is the measurement of angle DNF?

Angle DNF = _____ °

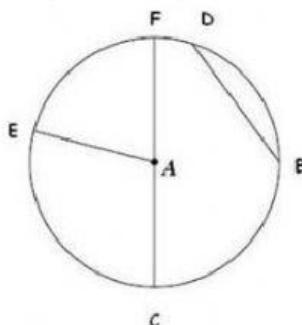
12. Which definition best describes a chord of a circle?

A. The perimeter of the circle.
 B. A line that intersects a point on the circle.
 C. A line segment that has one endpoint on the center of the circle and one endpoint on the circle.
 D. A line segment that has both endpoints on the circle.

13. The measures of two angles in a triangle are 65° and 32° . What is the measure of the third angle of the triangle?

A. 38°
 B. 83°
 C. 101°
 D. 180°

14. Label the parts of the circle. (Radius, Chord, Diameter, and Center)

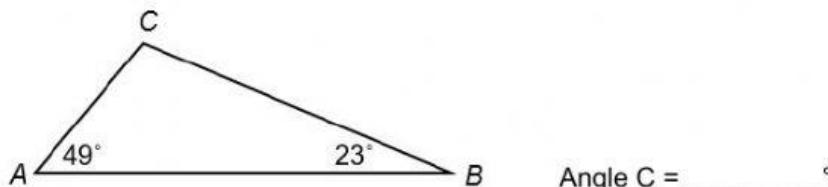


$\overline{CA} =$ _____ $\overline{DB} =$ _____ $\overline{FC} =$ _____ Center point = _____

15. Sam drew four angles on the board. The angles measured 90° , 95° , 80° , and 120° . Which of the following statements is true?

A. Sam drew two obtuse angles, one right angle, and one acute angle.
 B. Sam drew three obtuse angles and one acute angle.
 C. Sam drew two acute angles and two obtuse angles.
 D. Sam drew three acute angles and one obtuse angle.

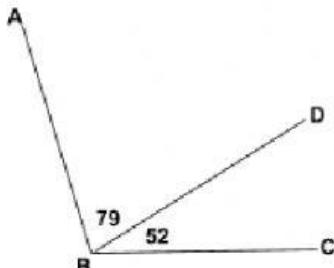
16. The measures of two angles in a triangle are shown. What is the measure of angle C?



17. Which statement is true?

- A. The diameter of a circle is three times the length of the radius.
- B. The diameter of a circle is half of the radius.
- C. The radius of a circle is two times the length of the diameter.
- D. The radius of a circle is half of the diameter.

18. Look at the following figure.



If angle ABD measures 79° and angle DBC measures 52° , what does angle ABC measure?

$$\text{angle ABC} = \underline{\hspace{2cm}}^\circ$$

19. The distance around the circle is called the --

- A. center
- B. circumference
- C. radius
- D. diameter

20. Use a protractor. What is the measurement of the following angle?

