

1ST SUMMATIVE TEST IN MATHEMATICS 4

Multiple Choice

Directions: Choose the letter of the best answer. Shade your answer on the given answer sheet.

- _____ 1. What is an angle?

A. a three-sided polygon

B. the union of two rays with the same endpoint

C. a four-sided figure

D. a line with no endpoint
- _____ 2. What is the common endpoint of the two rays of an angle called?

A. side

B. degree

C. protractor

D. vertex
- _____ 3. Which kind of angle forms an L shape and measures 90 degrees?

A. right angle

B. acute angle

C. obtuse angle

D. straight angle
- _____ 4. Which measure shows an obtuse angle?

A. 30 degrees

B. 45 degrees

C. 120 degrees

D. 90 degrees
- _____ 5. What tool is used to measure and construct angles in degrees?

A. ruler

B. protractor

C. compass

D. number line
- _____ 6. When measuring an angle, where should the center of the protractor be placed?

A. on the vertex of the angle

B. on the longest side only

C. outside the figure

D. on any point of the paper
- _____ 7. What triangle has all sides equal?

A. right triangle

B. scalene triangle

C. obtuse triangle

D. equilateral triangle
- _____ 8. Which type of triangle has exactly two equal sides?

A. isosceles triangle

B. equilateral triangle

C. right triangle

D. scalene triangle
- _____ 9. Which type of triangle has no equal sides?

A. isosceles triangle

B. equilateral triangle

C. right triangle

D. scalene triangle
- _____ 10. How many sides does a quadrilateral have?

A. one

B. two

C. three

D. four
- _____ 11. Which polygon has six sides?

A. pentagon

B. hexagon

C. octagon

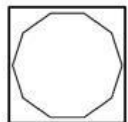
D. nonagon
- _____ 12. Which of the following best describes the polygon shown?

A. It is an octagon because it has 8 sides.

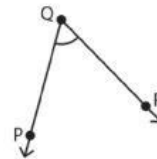
B. A polygon with 9 sides is called a nonagon.

C. A polygon with 10 sides is called a decagon

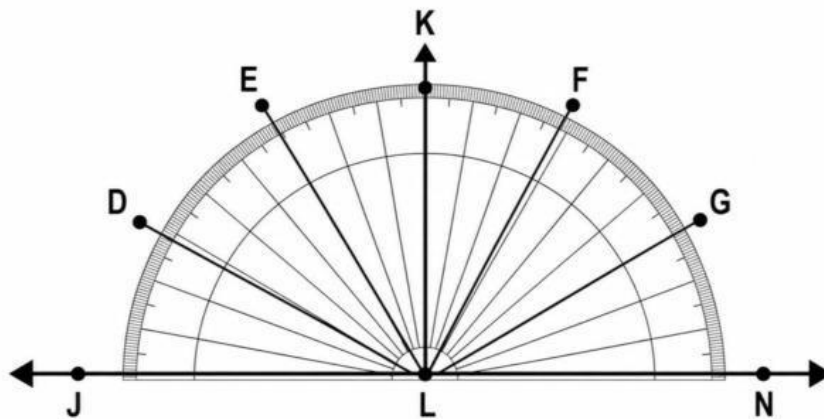
D. It is a quadrilateral because it has 4 sides.



- _____ 13. Which statement is always true when naming an angle?
- A. The vertex is written first. C. The vertex is written in the middle.
- B. The vertex is written last. D. The order of the letters does not matter.
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- _____ 14. Which name correctly represents the angle shown if **B** is the vertex and the sides pass through **A** and **C**?
- A. $\angle ABC$ C. $\angle ACB$
- B. $\angle BAC$ D. $\angle CAB$
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- _____ 15. Which angle name represents an angle with vertex **K**?
- A. $\angle JKL$ C. $\angle LKJ$
- B. $\angle KLJ$ D. Both A and C
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- _____ 16. In the figure, which is the correct way to name the angle?
- A. $\angle PQR$ C. $\angle RPQ$
- B. $\angle QRP$ D. $\angle QPR$



For items 17-20. Use the protractor below to measure each angle. Choose the best answer.



- _____ 17. $\angle JLG$
- A. 55° C. 110°
- B. 150° D. 90°
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- _____ 18. $\angle KLF$
- A. 20° C. 30°
- B. 40° D. 50°
-
- _____ 19. $\angle DLK$
- A. 90° C. 70°
- B. 80° D. 60°
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- _____ 20. $\angle ELN$
- A. 100° C. 120°
- B. 110° D. 130°