

9th Grade Geometry Exit Exam

Name: _____

Date: _____

Show all work. Use $\pi = 3.14$ unless otherwise stated.

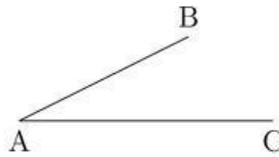
Part I: Basic Geometry

1. A point has
 - A. length
 - B. width
 - C. no dimensions
 - D. area
2. A line extends
 - A. infinitely in one direction
 - B. infinitely in both directions
 - C. between two endpoints
 - D. around a circle
3. Parallel lines are lines that
 - A. intersect once
 - B. never intersect
 - C. form right angles
 - D. form triangles
4. Complementary angles add to
 - A. 90°
 - B. 120°
 - C. 180°
 - D. 360°
5. Supplementary angles add to

- A. 90°
- B. 180°
- C. 270°
- D. 360°

Part II: Angle Identification

6. Identify the angle shown below.



- A. Acute
- B. Right
- C. Obtuse
- D. Straight

7. Identify the angle.



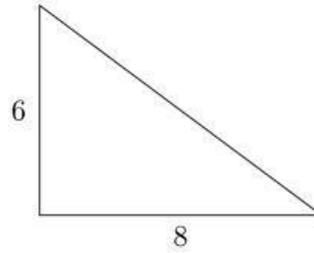
- A. Acute
- B. Right
- C. Obtuse
- D. Straight

Part III: Triangles

8. The sum of the interior angles of a triangle equals

- A. 90°
- B. 120°
- C. 180°
- D. 360°

9. Use the triangle below.



Find the hypotenuse.

10. Find the missing angle.

$$[60^\circ + 60^\circ + x = 180^\circ]$$

$x =$ _____

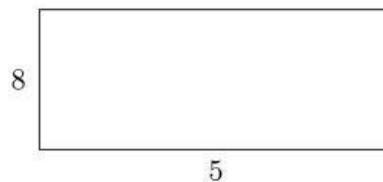
Part IV: Quadrilaterals

11. Identify the figure below.



- A. Square
- B. Rectangle
- C. Rhombus
- D. Trapezoid

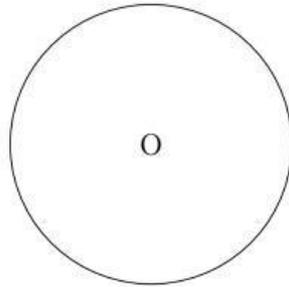
12. Find the area of the rectangle.



Area = _____

Part V: Circles

13. Identify the center of the circle.



Point O is the _____

14. Find the circumference if $r = 7$.