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

LIVEWORKSHEETS

A. 90°

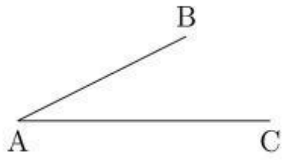
B. 180°

C. 270°

D. 360°

Part II: Angle Identification

6. Identify the angle shown below.



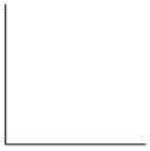
A. Acute

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°

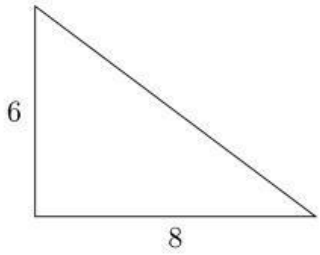
B. 120°

C. 180°

D. 360°

LIVEWORKSHEETS

9. Use the triangle below.



Find the hypotenuse.

10. Find the missing angle.

$[\,60° + 60° + x = 180°]$

$x =$ _____

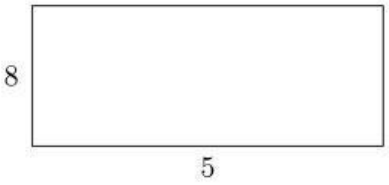
Part IV: Quadrilaterals

11. Identify the figure below.



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

12. Find the area of the rectangle.

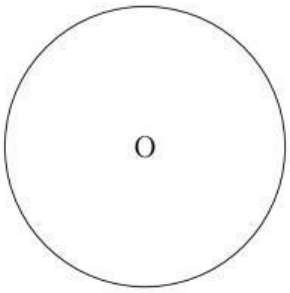


Area = _____

LIVEWORKSHEETS

Part V: Circles

13. Identify the center of the circle.



Point O is the _____

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

LIVEWORKSHEETS