

Unit 7: Shapes on the Coordinate Grid

PRACTICE · SET 2

Name: _____ Date: _____

Solve each problem and write your short answer on the line. Use coordinate pairs like (3, -4) where needed.

1. A triangle has side lengths 5 cm, 5 cm, and 8 cm. Classify it by its sides as scalene, isosceles, or equilateral.

Answer: _____

3. A quadrilateral has 4 right angles and all 4 sides equal in length. Is it a square? Answer yes or no.

Answer: _____

5. Point B is at (-3, -5). You move 8 units UP. What are the new coordinates?

Answer: _____

7. In which quadrant of the coordinate grid is the point (-6, 2) located? Answer with a Roman numeral (I, II, III, or IV).

Answer: _____

9. Points (2, 3) and (2, 9) are two endpoints of a vertical segment. What is the length of the segment in units?

Answer: _____

11. A parallelogram has 4 right angles but its sides are 4 cm and 9 cm (not all equal). What is the most specific name for this shape?

Answer: _____

2. Point A is at (4, 7). You move 6 units to the LEFT. What are the new coordinates?

Answer: _____

4. Every square is also a rectangle because it has 4 right angles. True or false?

Answer: _____

6. A triangle has angles measuring 90° , 45° , and 45° . Classify it by its angles as acute, right, or obtuse.

Answer: _____

8. A quadrilateral has exactly one pair of parallel sides. What is the name of this shape?

Answer: _____

10. A triangle has side lengths 6 cm, 6 cm, and 6 cm. Classify it by its sides as scalene, isosceles, or equilateral.

Answer: _____

12. Points (1, 4) and (7, 4) are two endpoints of a horizontal segment. What is the length of the segment in units?

Answer: _____