

Unit 8: Properties of Two-dimensional Shapes

PRACTICE

Name: _____ Date: _____

Solve each problem. Write your short answer (a number, word like "yes"/"no", or shape name) on the line.

1. A triangle has angles of 60° , 60° , and 60° . All three sides are also equal. What type of triangle is it by its sides? (Answer: equilateral, isosceles, or scalene)

Answer: _____

3. A triangle has angles measuring 40° and 65° . What is the measure, in degrees, of the third angle?

Answer: _____

5. A triangle has one angle that measures 110° . What type of triangle is it by its angles? (Answer: right, acute, or obtuse)

Answer: _____

7. How many lines of symmetry does an equilateral triangle have?

Answer: _____

9. A quadrilateral has 4 equal sides and 4 right angles. What is the name of this shape?

Answer: _____

11. The four angles of a quadrilateral measure 90° , 90° , 90° , and x° . What is the value of x , in degrees?

Answer: _____

2. A triangle has one angle that measures 90° . What type of triangle is it by its angles? (Answer: right, acute, or obtuse)

Answer: _____

4. A triangle has angles of 30° , 60° , and 90° . What type of triangle is it by its sides? (Answer: equilateral, isosceles, or scalene, since all three angles are different)

Answer: _____

6. How many lines of symmetry does a square have?

Answer: _____

8. A quadrilateral has exactly one pair of parallel sides. What is the name of this quadrilateral? (Answer: trapezoid, parallelogram, or rhombus)

Answer: _____

10. How many lines of symmetry does a rectangle that is NOT a square have?

Answer: _____

12. An isosceles triangle has two equal angles that each measure 50° . What is the measure, in degrees, of the third angle?

Answer: _____