

Quadrilaterals and Triangles

True or False?

1. Every square is a rectangle. (true)
2. Every rectangle is a square. (false)
3. Every square is a rhombus. (true)
4. Every rhombus is a square. (false)
5. Every parallelogram is a rectangle. (false)
6. Every trapezoid is a parallelogram. (false)
7. Every rhombus is a parallelogram. (true)
8. Every equilateral triangle is acute. (true)
9. A scalene triangle has no equal sides. (true)
10. An isosceles triangle has three equal sides. (false)
11. An equiangular triangle is an acute triangle. (true)
12. A triangle may contain two obtuse angles. (false)
13. A parallelogram is a polygon whose opposite sides are parallel. (false)
14. A rectangle is a parallelogram with four right angles. (true)
15. A trapezoid is a quadrilateral whose opposite sides are parallel (false)
16. An isosceles triangle is a triangle which has exactly two sides with equal length. (false)
17. An acute triangle has only one acute angle. (false)
18. A triangle can be both isosceles and obtuse. (true)
19. An equilateral triangle can be an obtuse triangle. (false)
20. All parallelograms are quadrilaterals. (true)
21. All parallelograms are rectangles. (false)
22. All trapezoids are parallelograms. (false)