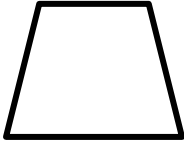


Name the following shapes, then explain how you know what it is.



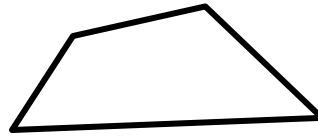
1. This is a(n) _____
because



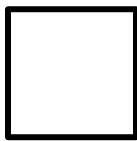
2. This is a(n) _____
because



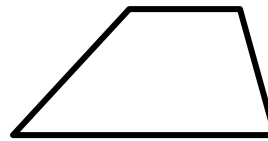
3. This is a(n) _____
because



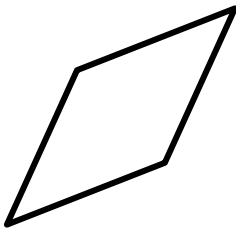
4. This is a(n) _____
because



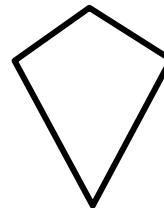
5. This is a(n) _____
because



6. This is a(n) _____
because



7. This is a(n) _____
because



8. This is a(n) _____
because

9. A quadrilateral has only 2 congruent sides. What are all the possibilities that it might be?

parallelogram rectangle rhombus square trapezoid isosc trap kite

10. A quadrilateral has 2 pair of congruent sides. What are all the possibilities that it might be?

parallelogram rectangle rhombus square trapezoid isosc trap kite

11. A quadrilateral has 2 pair of parallel sides. What are all the possibilities that it might be?

parallelogram rectangle rhombus square trapezoid isosc trap kite

- 12. A quadrilateral has congruent, perpendicular diagonals. What could it be?**
 parallelogram rectangle rhombus square trapezoid isosc trap kite
- 13. A quadrilateral has one right angle and the diagonals are not congruent. What is it?**
 parallelogram rectangle rhombus square trapezoid isosc trap kite
- 14. A quadrilateral has only one pair of congruent sides and one pair of parallel sides. What is it?**
 parallelogram rectangle rhombus square trapezoid isosc trap kite

Determine if the following statement is ALWAYS true, SOMETIMES true, or NEVER true.

If the statement is only SOMETIMES or NEVER true, sketch a counterexample to show that it is not always true. If it is ALWAYS true, give an example.

- | | | | | |
|--|--------|-----------|-------|----------------------------|
| 15. A kite is a parallelogram. | ALWAYS | SOMETIMES | NEVER | EXAMPLE or COUNTEREXAMPLE: |
| 16. A kite is a rhombus. | ALWAYS | SOMETIMES | NEVER | EXAMPLE or COUNTEREXAMPLE: |
| 17. A parallelogram is a quadrilateral. | ALWAYS | SOMETIMES | NEVER | EXAMPLE or COUNTEREXAMPLE: |
| 18. A rhombus is a square. | ALWAYS | SOMETIMES | NEVER | EXAMPLE or COUNTEREXAMPLE: |
| 19. A square is a rhombus. | ALWAYS | SOMETIMES | NEVER | EXAMPLE or COUNTEREXAMPLE: |
| 20. A square is a parallelogram. | ALWAYS | SOMETIMES | NEVER | EXAMPLE or COUNTEREXAMPLE: |
| 21. A rectangle is a square. | ALWAYS | SOMETIMES | NEVER | EXAMPLE or COUNTEREXAMPLE: |
| 22. A square is a rectangle. | ALWAYS | SOMETIMES | NEVER | EXAMPLE or COUNTEREXAMPLE: |
| 23. A parallelogram is a trapezoid. | ALWAYS | SOMETIMES | NEVER | EXAMPLE or COUNTEREXAMPLE: |
| 24. A trapezoid is a parallelogram. | ALWAYS | SOMETIMES | NEVER | EXAMPLE or COUNTEREXAMPLE: |

I have grit so I will never, never quit.
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