



Determine if the statement shown is 'true' or 'false'.

Answers

- 1) All squares are quadrilaterals.
- 2) A parallelogram has only 1 set of parallel sides.
- 3) A trapezoid only has 1 pair of parallel sides.
- 4) A rhombus has opposite angles that are the same.
- 5) All rhombuses have only 1 set of equal length sides.
- 6) All quadrilateral have 4 sides equal length.
- 7) All squares have 4 sides that are the same length.
- 8) All squares are rectangles.
- 9) All rhombuses are parallelograms.
- 10) A trapezoid has two 90° angles.
- 11) All trapezoids have at least one 90° angle.
- 12) All rectangles are quadrilaterals.

1. _____
2. _____
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11. _____
12. _____

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Answers

- | | |
|---|---|
| 1) All squares are quadrilaterals. | 1. <u> true </u> |
| 2) A parallelogram has only 1 set of parallel sides. | 2. <u> false </u> |
| 3) A trapezoid only has 1 pair of parallel sides. | 3. <u> true </u> |
| 4) A rhombus has opposite angles that are the same. | 4. <u> true </u> |
| 5) All rhombuses have only 1 set of equal length sides. | 5. <u> false </u> |
| 6) All quadrilateral have 4 sides equal length. | 6. <u> false </u> |
| 7) All squares have 4 sides that are the same length. | 7. <u> true </u> |
| 8) All squares are rectangles. | 8. <u> true </u> |
| 9) All rhombuses are parallelograms. | 9. <u> true </u> |
| 10) A trapezoid has two 90° angles. | 10. <u> false </u> |
| 11) All trapezoids have at least one 90° angle. | 11. <u> false </u> |
| 12) All rectangles are quadrilaterals. | 12. <u> true </u> |