

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

- 1) All squares are quadrilaterals.
- 2) All rhombuses are quadrilaterals.
- 3) All parallelograms are rhombuses.
- 4) All parallelograms are squares.
- 5) A trapezoid has two 90° angles.
- 6) All squares and rectangles have 4 sides that are all the same length.
- 7) All quadrilateral have 4 sides equal length.
- 8) All squares have 4 angles two less than 90° , two more than 90° .
- 9) All squares are rectangles.
- 10) A rhombus has opposite angles that are the same.
- 11) All rectangles are parallelograms.
- 12) Kites have 2 sets of parallel sides.

1. _____
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12. _____

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

Answers

- | | |
|--|---|
| 1) All squares are quadrilaterals. | 1. <u> true </u> |
| 2) All rhombuses are quadrilaterals. | 2. <u> true </u> |
| 3) All parallelograms are rhombuses. | 3. <u> false </u> |
| 4) All parallelograms are squares. | 4. <u> false </u> |
| 5) A trapezoid has two 90° angles. | 5. <u> false </u> |
| 6) All squares and rectangles have 4 sides that are all the same length. | 6. <u> false </u> |
| 7) All quadrilateral have 4 sides equal length. | 7. <u> false </u> |
| 8) All squares have 4 angles two less than 90°, two more than 90°. | 8. <u> false </u> |
| 9) All squares are rectangles. | 9. <u> true </u> |
| 10) A rhombus has opposite angles that are the same. | 10. <u> true </u> |
| 11) All rectangles are parallelograms. | 11. <u> true </u> |
| 12) Kites have 2 sets of parallel sides. | 12. <u> false </u> |