



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

Answers

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

1. _____
2. _____
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4. _____
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10. _____
11. _____
12. _____

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Answers

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