



Answers

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

Answers

- | | |
|--|-----------------|
| 1) A rectangle has only one set of sides that are parallel. | 1. <u>false</u> |
| 2) All rectangles are parallelograms. | 2. <u>true</u> |
| 3) All squares have 4 angles that are 90°. | 3. <u>true</u> |
| 4) All parallelograms are rhombuses. | 4. <u>false</u> |
| 5) All rhombuses are squares. | 5. <u>false</u> |
| 6) All rectangles are squares. | 6. <u>false</u> |
| 7) A rectangle has 4 angles that are 90°. | 7. <u>true</u> |
| 8) A trapezoid has 2 sets of parallel sides. | 8. <u>false</u> |
| 9) All squares and rectangles have 4 sides that are all the same length. | 9. <u>false</u> |
| 10) All rhombuses are quadrilaterals. | 10. <u>true</u> |
| 11) A parallelogram has opposite sides that are parallel. | 11. <u>true</u> |
| 12) All squares are quadrilaterals. | 12. <u>true</u> |



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

Answers

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

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11. _____
12. _____

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

Answers

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

1. **false**
2. **true**
3. **true**
4. **true**
5. **true**
6. **false**
7. **false**
8. **false**
9. **true**
10. **false**
11. **true**
12. **false**



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

Answers

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

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10. _____
11. _____
12. _____



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

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

Answers

1. **true**
2. **true**
3. **false**
4. **true**
5. **true**
6. **false**
7. **false**
8. **false**
9. **false**
10. **false**
11. **false**
12. **true**



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.

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12. _____

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

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> |



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

Answers

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

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11. _____
12. _____



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

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

Answers

1. **false**
2. **true**
3. **false**
4. **true**
5. **false**
6. **false**
7. **false**
8. **true**
9. **true**
10. **true**
11. **true**
12. **true**



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

Answers

- 1) A trapezoid only has 1 pair of parallel sides.
- 2) All rectangles are quadrilaterals.
- 3) All parallelograms are rectangles.
- 4) All rhombuses have only 1 set of equal length sides.
- 5) All squares are rectangles.
- 6) All parallelograms are rhombuses.
- 7) All quadrilateral have 4 sides.
- 8) All squares and rectangles have 4 sides that are all the same length.
- 9) All squares are parallelograms.
- 10) All parallelograms are quadrilaterals.
- 11) A parallelogram has opposite angles that are the same.
- 12) All rhombuses are squares.

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

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

Answers

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

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

- | | |
|--|-----------|
| 1) A rectangle has only one set of sides that are parallel. | 1. _____ |
| 2) All Squares have 4 sides where each side can be a different length. | 2. _____ |
| 3) All squares are rhombuses. | 3. _____ |
| 4) All squares have 4 angles that are 90° . | 4. _____ |
| 5) A trapezoid has 2 sets of parallel sides. | 5. _____ |
| 6) All trapezoids are quadrilaterals. | 6. _____ |
| 7) All rhombuses are parallelograms. | 7. _____ |
| 8) All squares are quadrilaterals. | 8. _____ |
| 9) All parallelograms have four sides of equal length sides. | 9. _____ |
| 10) A rhombus has 1 set of opposite angles that are the same. | 10. _____ |
| 11) All squares are rectangles. | 11. _____ |
| 12) All quadrilateral have 4 sides equal length. | 12. _____ |

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

Answers

- | | |
|--|---|
| 1) A rectangle has only one set of sides that are parallel. | 1. <u> false </u> |
| 2) All Squares have 4 sides where each side can be a different length. | 2. <u> false </u> |
| 3) All squares are rhombuses. | 3. <u> true </u> |
| 4) All squares have 4 angles that are 90°. | 4. <u> true </u> |
| 5) A trapezoid has 2 sets of parallel sides. | 5. <u> false </u> |
| 6) All trapezoids are quadrilaterals. | 6. <u> true </u> |
| 7) All rhombuses are parallelograms. | 7. <u> true </u> |
| 8) All squares are quadrilaterals. | 8. <u> true </u> |
| 9) All parallelograms have four sides of equal length sides. | 9. <u> false </u> |
| 10) A rhombus has 1 set of opposite angles that are the same. | 10. <u> false </u> |
| 11) All squares are rectangles. | 11. <u> true </u> |
| 12) All quadrilateral have 4 sides equal length. | 12. <u> false </u> |



Answers

1. _____
2. _____
3. _____
4. _____
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8. _____
9. _____
10. _____
11. _____
12. _____

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

Answers

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

**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.

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11. _____
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> |

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

- 1) All rhombuses are parallelograms.
- 2) All rhombuses are quadrilaterals.
- 3) A trapezoid has angles can be any degree.
- 4) A rectangle has 4 angles at only two of which are 90° .
- 5) All squares are rhombuses.
- 6) All parallelograms have four sides of equal length sides.
- 7) All squares have 4 angles two less than 90° , two more than 90° .
- 8) A rectangle has opposites sides that are parallel.
- 9) All quadrilateral have 4 sides equal length.
- 10) All trapezoids are quadrilaterals.
- 11) All squares have 4 sides that are the same length.
- 12) A trapezoid has 2 sets of parallel sides.

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11. _____
12. _____

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

Answers

- | | |
|--|---|
| 1) All rhombuses are parallelograms. | 1. <u> true </u> |
| 2) All rhombuses are quadrilaterals. | 2. <u> true </u> |
| 3) A trapezoid has angles can be any degree. | 3. <u> true </u> |
| 4) A rectangle has 4 angles at only two of which are 90°. | 4. <u> false </u> |
| 5) All squares are rhombuses. | 5. <u> true </u> |
| 6) All parallelograms have four sides of equal length sides. | 6. <u> false </u> |
| 7) All squares have 4 angles two less than 90°, two more than 90°. | 7. <u> false </u> |
| 8) A rectangle has opposites sides that are parallel. | 8. <u> true </u> |
| 9) All quadrilateral have 4 sides equal length. | 9. <u> false </u> |
| 10) All trapezoids are quadrilaterals. | 10. <u> true </u> |
| 11) All squares have 4 sides that are the same length. | 11. <u> true </u> |
| 12) A trapezoid has 2 sets of parallel sides. | 12. <u> false </u> |