



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 rectangles are parallelograms. 2. \_\_\_\_\_
  
- 3) All squares have 4 angles that are  $90^\circ$ . 3. \_\_\_\_\_
  
- 4) All parallelograms are rhombuses. 4. \_\_\_\_\_
  
- 5) All rhombuses are squares. 5. \_\_\_\_\_
  
- 6) All rectangles are squares. 6. \_\_\_\_\_
  
- 7) A rectangle has 4 angles that are  $90^\circ$ . 7. \_\_\_\_\_
  
- 8) A trapezoid has 2 sets of parallel sides. 8. \_\_\_\_\_
  
- 9) All squares and rectangles have 4 sides that are all the same length. 9. \_\_\_\_\_
  
- 10) All rhombuses are quadrilaterals. 10. \_\_\_\_\_
  
- 11) A parallelogram has opposite sides that are parallel. 11. \_\_\_\_\_
  
- 12) All squares are quadrilaterals. 12. \_\_\_\_\_



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- 1) A rectangle has only one set of sides that are parallel.
- 2) All rectangles are parallelograms.
- 3) All squares have 4 angles that are  $90^\circ$ .
- 4) All parallelograms are rhombuses.
- 5) All rhombuses are squares.
- 6) All rectangles are squares.
- 7) A rectangle has 4 angles that are  $90^\circ$ .
- 8) A trapezoid has 2 sets of parallel sides.
- 9) All squares and rectangles have 4 sides that are all the same length.
- 10) All rhombuses are quadrilaterals.
- 11) A parallelogram has opposite sides that are parallel.
- 12) All squares are quadrilaterals.

**Answers**

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



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

Answers

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



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

- 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  $90^\circ$ .
- 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  $90^\circ$ , two more than  $90^\circ$ .

Answers

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  $90^\circ$  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  $90^\circ$ , two more than  $90^\circ$ .
- 12) All rhombuses are quadrilaterals.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_



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

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



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

- 1) All squares are rectangles.
- 2) All squares have 4 angles two less than  $90^\circ$ , two more than  $90^\circ$ .
- 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  $90^\circ$ .
- 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.

Answers

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





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

Answers

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



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

- 1) All parallelograms are squares.
- 2) All squares have 4 angles that are  $90^\circ$ .
- 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  $90^\circ$ .

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



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

- |  | <u>Answers</u>   |
|--|------------------|
| 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 $90^\circ$ .                     | 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'.

	<u>Answers</u>
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 $90^\circ$ .	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>



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

Answers

- 1) All squares are quadrilaterals. 1. \_\_\_\_\_
  
- 2) All squares are rectangles. 2. \_\_\_\_\_
  
- 3) Kites have 2 sets of parallel sides. 3. \_\_\_\_\_
  
- 4) All squares have 4 angles that are  $90^\circ$ . 4. \_\_\_\_\_
  
- 5) All parallelograms are squares. 5. \_\_\_\_\_
  
- 6) All trapezoids are quadrilaterals. 6. \_\_\_\_\_
  
- 7) A rhombus has 1 set of opposite angles that are the same. 7. \_\_\_\_\_
  
- 8) A rectangle has opposites sides that are parallel. 8. \_\_\_\_\_
  
- 9) A trapezoid has two  $90^\circ$  angles. 9. \_\_\_\_\_
  
- 10) All quadrilateral have 4 sides equal length. 10. \_\_\_\_\_
  
- 11) A rectangle has 4 angles that are  $90^\circ$ . 11. \_\_\_\_\_
  
- 12) All rectangles have 4 sides that are equal length. 12. \_\_\_\_\_



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- 2) All squares are rectangles.
- 3) Kites have 2 sets of parallel sides.
- 4) All squares have 4 angles that are  $90^\circ$ .
- 5) All parallelograms are squares.
- 6) All trapezoids are quadrilaterals.
- 7) A rhombus has 1 set of opposite angles that are the same.
- 8) A rectangle has opposites sides that are parallel.
- 9) A trapezoid has two  $90^\circ$  angles.
- 10) All quadrilateral have 4 sides equal length.
- 11) A rectangle has 4 angles that are  $90^\circ$ .
- 12) All rectangles have 4 sides that are equal length.

**Answers**

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





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

Answers

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



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

- 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  $90^\circ$  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  $90^\circ$ , two more than  $90^\circ$ .
- 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.

Answers

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



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

Answers

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



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

- 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  $90^\circ$ .
- 5) All squares are rhombuses.
- 6) All parallelograms have four sides of equal length sides.
- 7) All squares have 4 angles two less than  $90^\circ$ , two more than  $90^\circ$ .
- 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.

**Answers**

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