



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

**Answers**

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

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

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

## Answers

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