

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

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

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12. \_\_\_\_\_

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

## Answers

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