



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

**Answers**

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

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

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

## Answers

- |  |   |
|--|---|
| 1) All squares have 4 angles two less than $90^\circ$ , two more than $90^\circ$ . | 1. <u>          <b>false</b>          </u>  |
| 2) Kites have 2 sets of parallel sides.  | 2. <u>          <b>false</b>          </u>  |
| 3) All rhombuses are squares.  | 3. <u>          <b>false</b>          </u>  |
| 4) A parallelogram has opposite sides that are parallel.                           | 4. <u>          <b>true</b>           </u>  |
| 5) All rhombuses are quadrilaterals.   | 5. <u>          <b>true</b>           </u>  |
| 6) A trapezoid has two $90^\circ$ angles.  | 6. <u>          <b>false</b>          </u>  |
| 7) A trapezoid has 2 sets of parallel sides.                                       | 7. <u>          <b>false</b>          </u>  |
| 8) A parallelogram has opposite angles that are the same.                          | 8. <u>          <b>true</b>           </u>  |
| 9) All parallelograms are rectangles.  | 9. <u>          <b>false</b>          </u>  |
| 10) All parallelograms are quadrilaterals.   | 10. <u>         <b>true</b>           </u>  |
| 11) All rectangles are squares.  | 11. <u>          <b>false</b>          </u> |
| 12) All quadrilateral have 4 sides equal length.                                   | 12. <u>          <b>false</b>          </u> |