



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. _____ |



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- 2) All rhombuses are quadrilaterals.
- 3) All parallelograms are rhombuses.
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- 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