

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

## Answers

- 1) All trapezoids have at least one  $90^\circ$  angle.
- 2) All parallelograms have four sides of equal length sides.
- 3) All rhombuses have only 1 set of equal length sides.
- 4) All rectangles have 4 sides that are equal length.
- 5) All squares are quadrilaterals.
- 6) All squares are rectangles.
- 7) All squares are rhombuses.
- 8) All parallelograms are squares.
- 9) All rhombuses are parallelograms.
- 10) All quadrilateral have 4 sides equal length.
- 11) A trapezoid only has 1 pair of parallel sides.
- 12) A trapezoid has angles can be any degree.

1. \_\_\_\_\_
2. \_\_\_\_\_
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9. \_\_\_\_\_
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11. \_\_\_\_\_
12. \_\_\_\_\_



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**Answers**

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