Geometry

Decide whether the statement is always true. If it is, write *yes.* If it is not always true, write *no,* and explain why.

1 All parallelograms are rectangles.

_____

2 All trapezoids are parallelograms.

_____

3 All rhombuses are parallelograms.

_____

4 All rectangles are squares.

_____

5 All rectangles are rhombuses.

_____

6 All trapezoids are quadrilaterals

_____

Reasoning and Proof

Use the list of multiples to complete the statement.

7 9, 18, 27, 36, 45, 54, 63, 72, 81, 90, 99

These numbers are all divisible by _____.

8 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39

These numbers are all divisible by _____.

9 6, 12, 18, 24, 30, 36, 42, 48, 54, 60

These numbers are all divisible by _____.

10 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32

These numbers are all divisible by _____.