

Identifying Parallel and Perpendicular Lines

Name: _____

Date: _____

Remember:

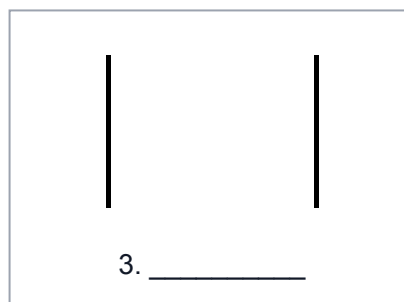
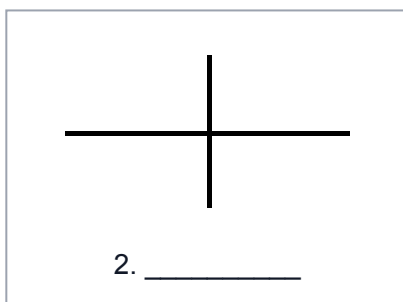
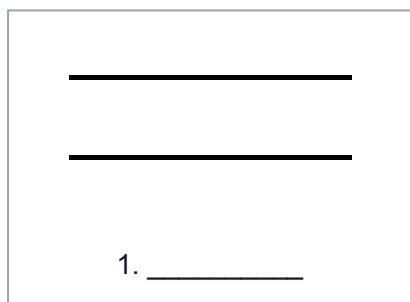
- **Parallel lines** never meet and are always the same distance apart ($\parallel$)
- **Perpendicular lines** meet at right angles (90°) ($\perp$)

Part A: True or False

1. Parallel lines will eventually meet if extended far enough. _____
2. Perpendicular lines form a right angle where they intersect. _____
3. Two horizontal lines are parallel to each other. _____
4. The opposite sides of a rectangle are perpendicular. _____
5. Perpendicular lines always cross at exactly 90° . _____

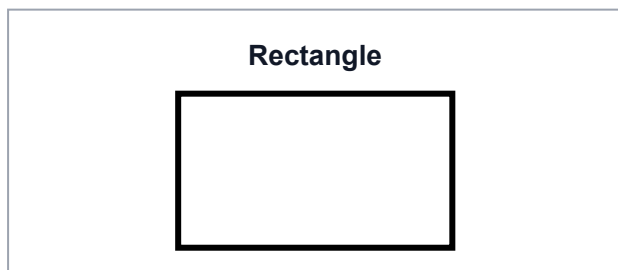
Part B: Identify the Lines

Look at the diagrams below. Write **P** for parallel or $\perp$ for perpendicular.



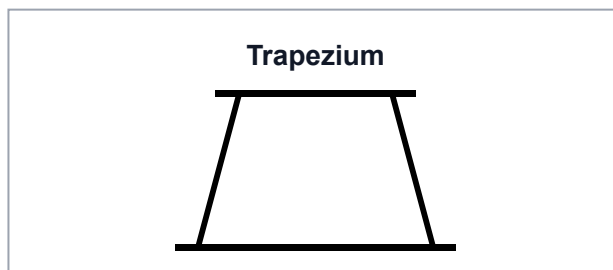
Part C: Finding Lines in Shapes

For each shape, answer the questions below.



a) How many pairs of parallel sides? _____

b) How many pairs of perpendicular sides?



c) How many pairs of parallel sides? _____

d) How many pairs of perpendicular sides?

Part D: Real World Examples

Name one real-world object or structure that contains:

1. Parallel lines: _____

2. Perpendicular lines: _____