

■ Geometry Quiz Study Guide

Topics: Lines, Line Segments, Rays, Parallel & Perpendicular Lines, Triangles by Sides and by Angles

1. Lines, Line Segments, and Rays

- Line → has arrows on BOTH ends, goes forever. (↔)
- Line Segment → has two endpoints, stops. (●■■■■●)
- Ray → has one endpoint and one arrow. (●■■■■→)

2. Parallel, Perpendicular, and Intersecting Lines

- Parallel → never touch, same distance apart (railroad tracks).
- Perpendicular → meet at a right angle (L shape).
- Intersecting → cross but not at 90° (X shape).

3. Triangles by Sides

- Equilateral → 3 equal sides.
- Isosceles → 2 equal sides.
- Scalene → 0 equal sides.

4. Triangles by Angles

- Acute Triangle → all angles less than 90° .
- Right Triangle → one angle is exactly 90° .
- Obtuse Triangle → one angle is greater than 90° .

5. Quiz Tips

- Two arrows = line.
- Two dots = line segment.
- One dot + one arrow = ray.
- Count tick marks to classify triangle sides.
- Look for square corners to find right angles.

6. Practice Like the Quiz

1. A triangle with sides 4 cm, 4 cm, and 6 cm is: _____
2. A triangle with one right angle is a: _____ triangle.
3. A shape with ●■■■■→ is a: _____
4. Lines that never touch are called: _____
5. A triangle with no equal sides is: _____