

Name: \_\_\_\_\_

# Lines, Segments, and Rays

## A line is...

- a. a wavy path that goes on forever in both directions with no endpoints.
- b. a long path that has an endpoint on each end.
- c. a straight path that goes on forever in both directions with no endpoints.

Draw a line.

## A line segment is...

- a. a part of a line that has an endpoint on both ends.
- b. a line that goes on forever in only one direction.
- c. a part of a line that crosses another

Draw a line segment.

## A ray is

- a. a part of a line that has one endpoint and goes on forever in one direction.
- b. a part of a line that goes on forever in both directions with no endpoints.
- c. part of a line that goes on forever in only one direction.



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## A point is...

- a. an exact position on a plane.
- b. a line on a plane.
- c. a circle on a plane.

Draw two points.

**Parallel lines are...**

- a. lines that cross more than once.
- b. lines that cross only once.
- c. lines that never cross.

Draw a pair of parallel lines.

**Intersecting lines are...**

- a. lines that cross more than once.
- b. lines that cross only once.
- c. lines that never cross.

Draw a pair of intersecting lines.

**Perpendicular lines are...**

- a. lines that cross at an obtuse angle.
- b. lines that cross at an acute angle.
- c. lines that never cross.



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**Thinking Question**

Can a pair of lines be both parallel and perpendicular? Explain.

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# ANSWER KEY

## Lines, Segments, and Rays

A line is...

- a. a wavy path that goes on forever in both directions with no endpoints.
- b. a long path that has an endpoint on each end.
- c. a straight path that goes on forever in both directions with no endpoints

Draw a line.



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# ANSWER KEY

Parallel lines are...

- a. lines that cross more than once.
- b. lines that cross only once.
- c. lines that never cross.**

Draw a pair of parallel lines.



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