

Name \_\_\_\_\_

Date \_\_\_\_\_

Lesson 1.1: Copying a Line/Perpendicular Bisector

CC Geometry

**Definitions**

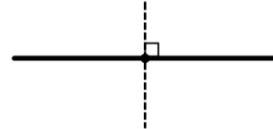
**Line Segment:** A part of a line that is bounded by two endpoints.



**Bisector:** Divides into two equal parts.

**Segment Bisector:** Divides a segment into two equal parts.

**Perpendicular Bisector:** A line which divides a segment into two equal parts and is perpendicular to the line segment.



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*Let's get some practice using a compass!*

(The dots below represent the center of the circle)

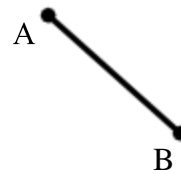
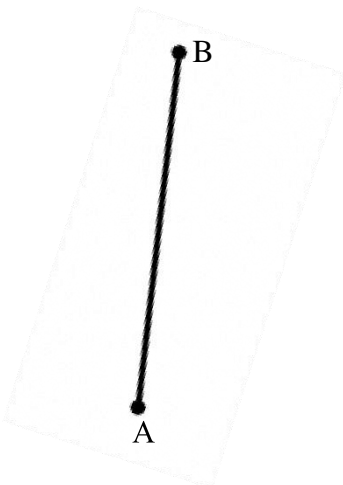


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**Copying a line segment**



*Practice: Construct a line segment congruent to each given line segment.*



**Constructing a perpendicular bisector.**



*Practice: Construct the perpendicular bisector of each of the given line segments.*

Examples:



1. Divide the given line segment into 4 segments of equal length.

