**Constructions 101 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Using only a compass and a straightedge …

1. Construct a line segment with the same length as the given line segment.



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2. Construct an angle with the same measure as the given angle.

3. Construct the perpendicular bisector of a given line segment.



4. Construct a line perpendicular to a given line through a given point on the line.



5. Construct a line perpendicular to a given line through a given point not on the line.

6. Construct a bisector of a given angle.

