Constructing congruent segments, congruent angles and parallel lines using a compass and a straightedge, Practice Set A

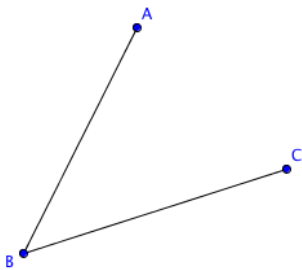Name:

Date:

1. Copy segment AB below:

A ●————————————————● B

   a. Explain how you were able to copy the segment.

2. Copy the angle below

   a. Explain how you were able to copy the angle?

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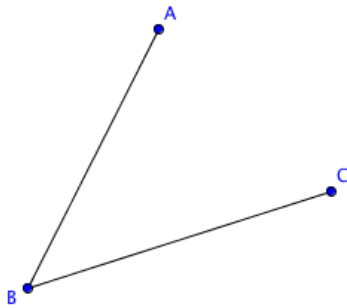
Answer Key

1. Copy segment AB below: *See student's work. Should have one arc where one of the points are.*

A ●————————————————● B

   a. Explain how you were able to copy the segment.

See student's work. Student should mention how the compass was open to the length of the segment and an arc was drawn with that opening. One endpoint of the segment is where the point of the compass is placed and the other endpoint of lies on the arc.

2. Copy the angle below

A
C
B

   a. Explain how you were able to copy the angle?

See student's work. Student should explain how the compass point should be on be and open to fit inside angle ABC when drawing the arcs and the second arc should have the compass opening to the width of angle ABC where the arc intersects.