

Informal Proof
Compass and Straightedge Worksheet

Materials: compass, protractor, straightedge, pencil, eraser, calculator

CONSTRUCT A TRIANGLE (Refer to PowerPoint for Visuals)

1. Create two points.
2. Connect the two points to make a line segment.
3. Use the line segment to draw a circle.
4. Make perpendicular line that intersects the point on the circle.
5. Place a point either above or below the point on the circle.
6. Connect the points with a line segment.

LABEL THE TRIANGLE

1. Label the triangle as shown.
2. Measure the angles of the triangle.

<A _____

<B _____

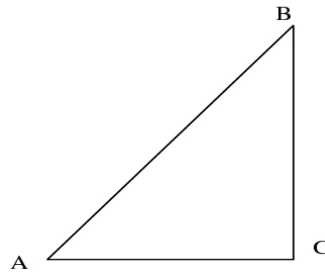
<C _____

3. Measure the side lengths.

line segment AC _____

line segment CB _____

line segment AB _____



ANSWER THE FOLLOWING QUESTIONS

1. Add the measures: line segment AC + line segment CB = _____
measure of line segment AB = _____

Do the values equal each other? _____