

Getting to know Sketchpad: Tour 2 (GK)
NCTM Standards 7 and 8
WV IGOs G.1, G.5

1. Plot 7 points. Label the points. Show the instructor.
File (new sketch).

2. (1.) Plot 2 points. Label the points A and B. Select both points.
(2.) Menu bar. Construct (line segment).
(3.) Select segment AB. Menu bar. Construct (point on segment). Label the point C.
(4.) Select A and C. Menu bar. Measure (distance).
Select C and B. Menu bar. Measure (distance).
Select A and B. Menu bar. Measure (distance).
(5.) Menu bar. Measure (calculate). Select AC. (+) Select CB.
(OK).
(6.) Drag points A, B, and C. What do you notice about the measures ? Show the instructor. (Segment Addition Postulate).
(7.) File. New sketch.

3. (1.) Tool box. Segment tool. Click and drag to construct $\angle ABC$. Construct segment BD in the interior of $\angle ABC$.
(2.) Select $\angle ABD$. Menu bar. Measure (angle).
Select $\angle DBC$. Menu bar. Measure (angle).
Select $\angle ABC$. Menu bar. Measure (angle).
(3.) Measure (calculate). Select $m\angle ABD$ (+) $m\angle DBC$ (OK).
(4.) Click and drag points A, B, C, and D. What do you notice about the measures of the angles?
(5.) Show the instructor. (Angle Addition Postulate)
(6.) File. New sketch.