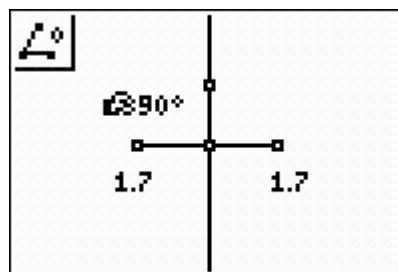


CABRI™ JR. ACTIVITY 3: PERPENDICULAR BISECTOR OF A LINE SEGMENT

ACTIVITY OVERVIEW:

In this activity we will

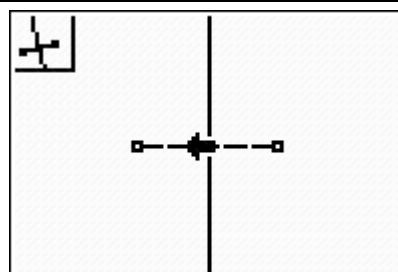
- Draw a segment
- Draw its perpendicular bisector
- Measure the two halves of the segment
- Measure an angle formed
- Change the length and position of the segment



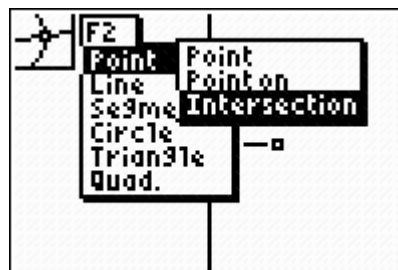
Press **[APPS]**. Move down to the CabriJr APP and press **[ENTER]**. Press **[Y=]** for the F1 menu and select **New**. (If asked to **Save changes?** press **[◀]** **[ENTER]** to choose “No.”)



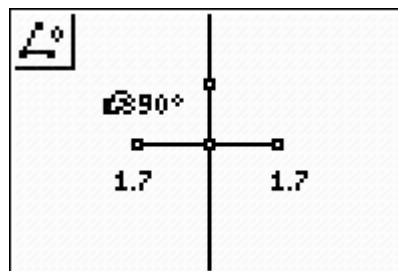
Press **[WINDOW]** for F2 and choose **Segment** and draw a line segment.
Press **[ZOOM]** and choose **Perp. Bis.** and move the big arrow until the segment is flashing. Press **[ENTER]** and the perpendicular bisector is drawn.



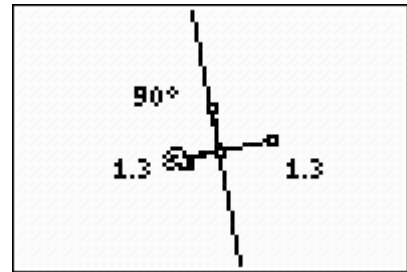
Press **[WINDOW]** for F2 and choose **Point** and **Intersection** and press **[ENTER]**. Move the arrow and press **[ENTER]** when the segment is flashing. Then move the arrow until the perpendicular bisector is also flashing. Press **[ENTER]** and the intersection point will be marked.



Now you can measure each half of the segment and an angle formed by the intersection of the segment and the perpendicular bisector. The measurement tools are found in the F5 menu.



Press **[ALPHA]** and grab an endpoint of the segment to change its length and position. You will be able to see the measurements of the segments change as the segment changes length and position. The angle will remain 90° .



Exit the APP using F1 and selecting Quit, or by pressing **[2nd] [MODE]** for **[QUIT]**.

