## The Law of Sines

f Sines, a theorem involving sine ratios that pplies to all triangles.
1.1     Dec AUTO REAL       Document Received       Folder: Examples       Document: LawSines.tns       OK   Fig1
Horne         I:Calculator       2:Graphs &       3:Lists & Sp         I:Calculator       2:Graphs &       6:New Doc         I:Calculator       8:System Info       9:Hints         Go to your list of folders and saved       0:St.NotesIntro       2:K         I:CalcAct1_PointsLinesSlopes       6:K         AA       Alg1Act1_PointsLinesSlopes       6:K         AA       Alg2Act1_USPopulation_EN       4:K         GeoAct1_DerivativeTrace_EN       17:K         GeoAct1_SegmentsInCircles       8:K         Betting Started       6:K         I:LawSines       4:K         D:LawSines       4:K         SinesandCosines       12:K          I:Law of Sines       12:K          Trigonometry       Miriam Santana

## Activity: Law of Sines

- 1. Go to problem 1. Page 1.3
  - a. Press ctrl and use your NavPad (Fig 5)
- 2. Drag the vertices of the triangle.
- To drag a point move the cursor to the point by using your NavPad
- When the cursor becomes a hand press ctrl click to hold the point
- Move the point to a different position using the NavPad
- Press enter to drop the point (Fig6)
- Each time that you modify the angle capture the angle and the values of sine and cosine. Press Ctrl + . to capture data. The data captured is in page 1.3 (Fig 7)
- 4. Repeat step 3. Capture at least 10 different triangles.
  - Compare columns G, H and I. What do you notice? (Fig 7)

5. Go to page 2.3 and 2.4 Write a conjecture using the data in the last three columns of the table (Fig 8 and Fig 9)

