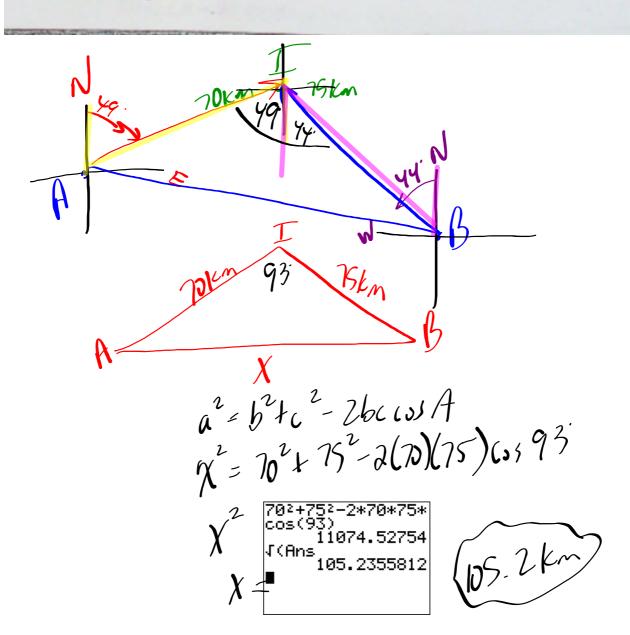
Booklet Questions... 10.12: #9 - 12

12 Two ships take separate bearings on the same island. From ship A, the island is N49°E and from ship B it is N44°W. If ship A and ship B are respectively 70 km and 75 km from the island, find the distance between the two ships.

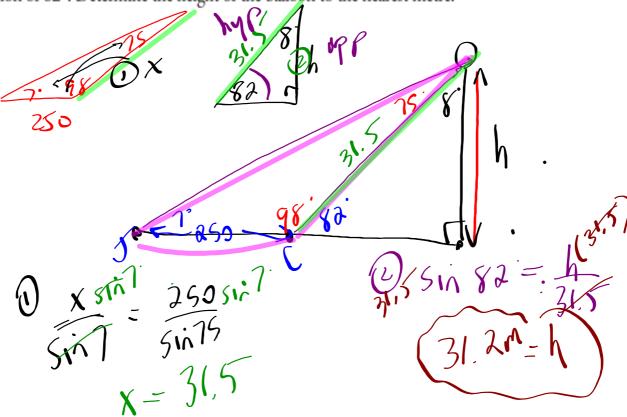
Questions



EX #2: Solving an application question...

(p. 166)

Colleen and Juan observed a tethered balloon advertising the opening of a new fitness centre. They were 250 m apart, joined by a line that passed directly below the balloon, and were on the same side of the balloon. Juan observed the balloon at an angle of elevation of 7° while Colleen observed the balloon at an angle of elevation of 82°. Determine the height of the balloon to the nearest metre.



HOMEWORK: More Applications/Word Problems Page 152 #3 & page 154 #11, 12 *** Bearings Page 154 #5, 6, 9, 10 Page 172 #9, 10, 12, 13, 14