Math 112 – section _____   _____   NAME: _____
Quiz # 9, version A, spring 2012   20
Sections 9.2, 9.3, 9.4   Seat: _____
Show how to setup and solve each problem. Full credit is based on work shown!
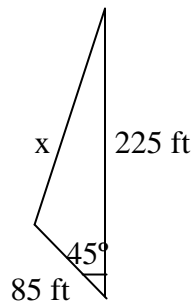**Include units with each of your answers.**

7pts
1. Given that b = 2 and c = 3 with angle B = 35º, **calculate the measure(s) of angle C**.
    Please round to one decimal place. NOTE: This is <u>not</u> a right triangle.

6pts
2. a. **Calculate the area** of this triangle.
       Round the area to the nearest whole number; include appropriate units with your answer.

x

225 ft

45º

85 ft

7pts
    b. **Calculate side x**, rounded to the nearest whole number. NOTE: This is <u>not</u> a right triangle.