Math 112 – section _____   _____   NAME: _____

Quiz # 9, version A, spring 2011   20

Sections 9.2, 9.3, 9.4   Seat: _____

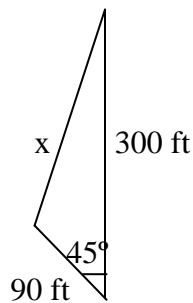**Show how to setup and solve each problem. Full credit is based on work shown!**

7pts   (Include units with your answers.)

1. Given that b = 2 and c = 3 with angle B = 40°, find the measure(s) of angle C.
    Please round to one decimal place. NOTE: This is <u>not</u> a right triangle.

7pts

2. a. Find side x, rounded to the nearest whole number. (NOTE: This is <u>not</u> a right triangle.)

x   300 ft

45°

90 ft

6pts

  b. Find the area of this triangle. (Round the area to the nearest whole number.)