Math 112 – _____   _____   NAME: _____
Quiz # 8, version A, spring 2011   20   Ave quiz % =
Sections 9.1 & 9.2   Seat: _____   Ave HW % =
Full credit is based on work shown! [Round **answers** to 2 decimal places.]   Test 1 & 2 =
7pts   Total / 4 = semester % =
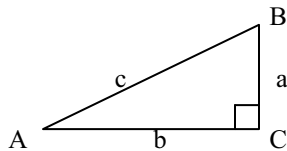1. In the right triangle shown below, side b = 6 feet and angle A = 25°. Find sides a and c and angle B.
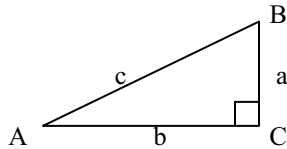
5pts
2. In the right triangle shown below, side a = 4 and b = 7. Find angles A and B.

8pts
3. To find the distance from the house at A to the house across the river at B, a surveyor measures the angle BAC to be 35° and then walks off a distance of 110 feet to C and measures the angle ACB to be 50°. What is the distance from A to B?   [Note: This is not a right triangle.]