

**Quiz 6    Algebra & Trig    4/13/2003**

Each problem is worth 5 points. For full credit provide complete justification for your answers.

1. If a right triangle has an angle of measure  $20^\circ$  and the side opposite that angle has length 5, what are the lengths of the other two sides (accurate to two decimal places)?

2. If a right triangle has sides of length 5, 12, and 13, what are the measures of the angles (accurate to two decimal places)?