

Sixth Quiz
November 12, 2009

1. For the triangle ABC we have that the measure of angle C is 90° . If $c = 23$ and $b = 12.527$ solve the triangle.

2. In a right triangle with the right angle at C , we have that $\tan B = 2$ units. Find $\cos A$.

For the next two questions you should give *exact* answers. In particular, you should **not** use your calculator to get an approximation.

3. The hypotenuse of a right triangle is 40 units and one of its acute angles is 30° . Solve the triangle.

4. In a triangle ABC with $C = 90^\circ$ we have that $\cos B = \frac{\sqrt{2}}{2}$. Find $\cos A$, $\tan A$, and $\tan B$.