Name: _____

Quiz 13

This quiz is graded out of 15 marks. No books, watches, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

Question 1. *(3 marks)* Solve the triangle ABC where $a = 9, b = 8$ and $c = 10$.

Question 2. *(3 marks)* Solve the triangle ABC where $A = 75°, C = 50°$, and $c = 42$.

Question 3. *(3 marks)* Find the exact value of: $\sin 225°$.

Question 4. *(3 marks)* Find the exact value of: $\sec \frac{5\pi}{6}$.

Question 5. *(3 marks)* Find the area of the sector of the circle with central angle $\theta = 125°$ and radius $r = 12$