Name: _____

Student ID: _____

Quiz 9

This quiz is graded out of 10 marks. No books, calculators, 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. pg.153#4g *(6 marks)* Find the values of the other trigonometric functions, if:

$\csc\theta = 8$ and $\cos\theta < 0$

Question 2. pg.142#36 *(4 marks)* When a boat is $67.5\ m$ from shore the angle of elevation to the top of a lighthouse is $15°$. What is the height of the lighthouse?