

Name: \_\_\_\_\_  
Student ID: \_\_\_\_\_

## Quiz 9

This quiz is graded out of 10 marks. No books, notes, graphing calculators 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.150#10e (4 marks)

A tree casts a 20 m long shadow when the angle of elevation of the sun is  $29^\circ$ . How tall is the tree?

**Question 2.** pg.153#a (6 marks)

Find the exact value of  $\sec 300^\circ$ .