

Name: _____
Student ID: _____

Quiz 4

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.66#26 (4 marks)

Find the *distance* and the *midpoint* of the line segment defined by the points $(3\sqrt{2}, 4\sqrt{5})$ and $(\sqrt{2}, -\sqrt{5})$:

Question 2. pg.75#47 (2 marks)

Find the *domain* of the function:

$$f(x) = \frac{\sqrt{x}}{1-x}$$

Question 3. pg.74#31 (4 marks)

Determine the *domain* and *range* of the function:

$$y = \sqrt{4-x^2}$$