

Name: _____

Student ID: _____

Bonus Quiz 1

This quiz is graded out of 10 marks. No books, 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.74#30 (2 marks) Determine the domain and range:

$$y = \sqrt{x-5}$$

Question 2. pg.89#6d (3 marks) Find the equation of the line through the point $(-4, 1)$ and perpendicular to the line $5x - 2y = 3$.

Question 3. pg.101#1e (5 marks) Graph the parabola, noting the intercepts and the vertex.

$$f(x) = x^2 + 6x$$