

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.65#23 (4 marks) Find the distance, and the midpoint of the line segment, between the points: $(-\frac{1}{4}, \frac{2}{3})$ and $(\frac{3}{4}, -\frac{1}{3})$.

Question 2. pg.67#48 (2 marks) Find the equation of the circle with center $(0, -5)$ and radius $2\sqrt{3}$

Question 3. pg.75#58 (4 marks) Find $\frac{f(x+h)-f(x)}{h}$:

$$f(x) = \frac{10}{x} + 2$$