

Last Name: _____

First Name: _____

Student ID: _____

Quiz 2 (B)

Question 1. (4 marks) Simplify the following expression:

$$\frac{(2x+1)^{1/2} - (x+2)(2x+1)^{-1/2}}{2x+1}$$

Question 2. (2 marks) Factor the following expression:

$$(x-1)^3 - 8$$

Question 3. (4 marks) Rationalize the numerator:

$$\frac{\sqrt{x+3} - \sqrt{x}}{3}$$