Name: _____

Student ID: _____

Quiz 10

Question 1. *(3 marks)* Rationalize the denominator:

$$\frac{\sqrt{12}}{\sqrt{3}+1}$$

Question 2. *(3 marks)* simplify (without using decimals, show your work):

$$\frac{6^{\frac{1}{5}} \cdot 6^{\frac{3}{5}}}{6^{-\frac{1}{5}}}$$

Question 3. *(4 marks)* Solve for x:

$$3\sqrt{x-2} = x-2$$