

NAME:

MATH 103

Quiz 1, 29 August 2008

The following three questions are worth a total of 10 points. The majority of the credit you receive will be based on the completeness and the clarity of your responses. Show your work, and avoid saying things that are untrue, ambiguous, or nonsensical.

1. Solve the following equation for x .

$$\frac{2x + 1}{3} + 16 = 3x$$

2. Solve the following equation for x . Suggestion: Complete the square.

$$x^2 - 4x - 1 = 0$$

3. Solve the following equation for t .

$$\sqrt{t^2 - t - 4} = t + 2$$