Name: _____

Math 32, Spring 2010, Section 101
Quiz 1

(1) Evaluate and/or simplify the following expressions. (1 pt each)

(a) $|1| - |-1|$

(b) $\left| \sqrt{5} - \sqrt{7} \right|$

(c) $|x - 3| + 2$ given that $x < 3$.

(2) Rewrite the following statement using absolute value notation (1pt).

"The distance between y and the origin is more than 2."

(3) Find all solutions to the following equations. You must show your work to receive full credit. (2pts each)

(a) $(x + 2)(x + 1) = x^2 + 11$

(b) $x^2 - 5x = -6$

(c) $\dfrac{1}{x} = \dfrac{4}{x} - 1$