

Name: _____

Math 121 College Algebra – Crawford

Quiz 1-A(1)

08 February 2017

Books and notes (in any form) and calculators are not allowed. *Show all work for full credit.* Good Luck!

1. (2 pts) Sketch the following interval on the real number line.

$$[-3, 2)$$

2. (2 pts) Evaluate the following expression.

$$2 - 2| - 3|$$

3. (7 pts) Rewrite the following expressions with positive exponents only and simplify.

(a). $\left(\frac{x^{-2}y^3}{2x}\right)^{-2}$

(b). $a^{-2} \cdot a^{3/2} \cdot a$

4. (4 pts) Simplify the radical expression.

$$\sqrt{18x^3y^6}$$