

Name: _____

Math 121 College Algebra – Crawford

Quiz 1-B(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.

$$(-4, 5]$$

2. (2 pts) Evaluate the following expression.

$$3 - 3| - 2|$$

3. (4 pts) Simplify the radical expression.

$$\sqrt{32x^4y^3}$$

4. (7 pts) Rewrite the following expressions with positive exponents only and simplify.

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

(b). $x^{-1/2} \cdot x^3 \cdot x$