

Name _____

Date _____

University of Baltimore
Math 107: College Algebra
Homework: Chapter R.1-R.4(C)

BECAUSE THIS IS A GRADED ASSIGNMENT, YOU ARE NOT ALLOWED TO EITHER GIVE OR RECEIVE HELP IN ANSWERING THESE QUESTIONS.

1. Calculate: $7 - 16 \div 4 * 2 + 3$.

2. Evaluate $a[c - |b - a|]$ for $a = -2$, $b = 3$, $c = -4$.

3. Put these numbers in the correct order, smallest to largest: $|-2|$, -3 , $\sqrt{7}$, $-\frac{13}{5}$.

4. Simplify: $(3x^2 + 2x - 1) - (4x^2 + x - 5)$.

5. Multiply and simplify: $(3x - 5)^2$.

6. Factor: $8x^2 + 2x - 3$.

7. Factor: $16p^2 - 9q^2$.

8. Factor: $6x^3 - 5x^2 - 6x + 5$.