QUIZ 7 - MATH 102 YOUR NAME:_____

Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Simplify and write your answer without negative exponents:

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

(b)
$$\frac{(5a^{-1}b^2)^3}{(5ab^{-2})^4} =$$

2. Perform the indicated operations and simplify:

(a)
$$(x^2 - x + 2)(x^2 + x - 2) =$$

(b)
$$2(x+3)(x-2) - (2x-1)^2 =$$