DUE BY 3/16/18
TURN IN BY 3/13/18 FOR EXTRA CREDIT!!
Show all work for full credit

1) Multiply $(3x + 2)(4x - 10)$. Identify the degree, leading coefficient, and type of polynomial.

2) The tickets for a dance recital cost $5.00 for adults and $2.00 for children. If the total number of tickets sold was 295 and the total amount collected was $1,220, how many adult and children tickets were sold?

3) What is the solution to the inequality $-6x - 17 \geq 8x + 25$?

    a. $x \geq 3$ **c.** $x \geq -3$
    b. $x \leq 3$ **d.** $x \leq -3$

4) What is the result when $2x^2 + 3xy - 6$ is subtracted from $x^2 - 7xy + 2$?

5) What is the product of $-3x^2y$ and $(5xy^2 + xy)$?

    a. $-15x^3y^3 - 3x^3y^2$
    b. $-15x^3y^3 - 3x^3y$
    c. $-15x^2y^2 - 3x^2y$
    d. $-15x^3y^3 - xy$