1. Evaluate the expression $\frac{1}{2}a - \frac{3}{4}a$ for each of the following values of a:
   a. a = 2

   b. a = -2

   c. a = $\frac{1}{2}$

2. Evaluate for x = 2 and y = -3:
   a. x - y =

   b. $-y^2 - x^2 =$

   c. $\frac{x+1}{4-y}$

3. Simplify as much as possible: 2(5a-2b)-3a(3a+4)=

4. Evaluate the expression in question #3 when a=0 and b=0.1

5. For the equation $|x| + 3 = 7$ list a value for x that is:
   a. a solution to the equation

   b. not a solution to the equation.