**Transformations Worksheet #1**

1. From your class notes, the correct equation for question #4 was: . How would you explain to the class WHY you wrote this equation?
2. From your class notes, the correct equation for question #11 was: . How would you explain to the class WHY you wrote this equation?
3. For question #11 from your class notes, many students originally wrote . How would you explain to the class WHY this equation is NOT correct?
4. Let *s(t)* be the average weight (in pounds) of a baby at age *t* months.
   1. The weight, *J(t)*, of a particular baby named Joe is related to the average weight function *s(t)* by the equation *J(t)=s(t)+1.* What can you say about Joe’s weight?
   2. The weight, *A(t)*, of a particular baby named Amy is related to the average weight function *s(t)* by the equation *A(t)=s(t + 3).* What can you say about Amy’s weight?
5. For the function, *f(x)*, shown sketch the graphs of the new function given.

 *−f(x)*  *f(−x)*

 *f(x) + 1*  *f(x+2)*

 *f(x) − 1*  *f(x−1)*