Math 112, Homework 0

Due Tuesday, August 24, 4pm

Determine the value of each of the following expressions, then compare your answers in part a & b:

1. For x = 4 evaluate
   (a) $\frac{1}{3x^2}$
   (b) $3x^{-2}$
2. For a = -1 evaluate
   (a) $\frac{6a+1}{3}$
   (b) $2a + 1$
3. For x = 2 evaluate
   (a) $(-3x)^3$
   (b) $-3x^3$
4. For z = 3.5 evaluate
   (a) $\frac{z-1}{z-2}$
   (b) $-\frac{1-z}{2-z}$