Part I (due at the beginning of class Wednesday, October 1)

Finish through question 3 on The Derivative Is a Function! handout if you didn't get through it in class. We will discuss this in class Friday, but you won't have to turn anything in. Bring your questions to ask, though!

Part II: WeBWorK (due Saturday, October 4, by 11 PM)

Click here for your WeBWorK assignment. Complete the DW 13 WeBWorK assignment.

Part III: Homework Problems (due Friday, October 3 at the beginning of class)

1. Suppose $f(1) = 3$, $\lim_{x \to 1^-} f(x) = 3$, $\lim_{x \to 1^+} f(x) = 3$, $\lim_{h \to 0^-} \dfrac{f(1+h) - f(1)}{h} = 2$, and $\lim_{h \to 0^+} \dfrac{f(1+h) - f(1)}{h} = 0$.
   (a) Is f continuous and/or differentiable at $x = 1$? Explain your answer.
   (b) Sketch a possible graph of f. Explain why your graph meets the given criteria.

Friday's mini-Celebration of Learning

Friday's mini-Celebration of Learning will include questions on learning targets L6 and D1.