Math 190 Quiz 3: Friday October 21

The quiz is 10 minutes long and has two questions. No calculators or other aids are permitted. Show all of your work for full credit.

Questions:

1. Compute the derivative of $5\sqrt[4]{x} + x \cdot x + e^{\pi}$ using any method.

2. Show that the derivative of x^2 is $2x$ by using the definition of the derivative (no credit will be given for using a different method).