MATH **124**   Quiz   **Nov. 3**   **Name:**

No books, notes or graphing calculators. Turn off your cell phones.
Each question is graded *right* or *wrong* - no partial credit. Check your answers!

(1)   1. $(x^4)' =$

(1)   2. $(5^x)' =$

(1)   3. $\left(\dfrac{1}{\sqrt{(x-1)^3}} \right)' =$

(1)   4. $((\tan x)^2)' =$

(2)   5. $\left(\dfrac{1}{(x^2+1)(x-1)^2} \right)' =$

(2)   6. $\left(\dfrac{e^x}{\sin x} \right)' =$

(2)   7. $(x^x)' =$