

Quizzes 8 & 9 (8 points total)

Complete this quiz and show all of your work.

Submit as a photo or scanned document to mpascal@pointpark.edu before 11 am.

- (1) Find the equation of the line tangent to $f(x) = \frac{x^2+1}{e^x}$ at the point where $x = 0$.

- (2) Compute each of these integrals:

a. $\int_{-2}^2 x e^{x^2-2} dx =$

b. $\int_1^e \frac{(\ln x)^3}{2x} dx$