

Name: \_\_\_\_\_

Score: \_\_\_\_\_

1. For each of the following functions  $f(x)$ , find its first derivative  $f'(x)$  and second derivative  $f''(x)$ . (2 points each)
  - (a)  $f(x) = 2x + 1$
  - (b)  $f(x) = 2^x$
  - (c)  $f(x) = x \sin x$
  - (d)  $f(x) = \frac{\sqrt{x+1}}{x}$
  - (e)  $f(x) = \frac{\cos x}{x^2}$



## Discussion Section Feedback

(The questions are intended to guide your response, feel free to ignore them and write anything.)

1. Were the problems in the discussion sections too easy/just right/too hard?
2. Was the GSI going too slow/just right/too fast? Were his explanations clear?
3. Were there any aspects of the GSI's presentation that needed improvement? (Eg: voice, handwriting, etc...)
4. Other remarks