**MAT 1320 E**      <u>**Assignment 2**</u>  (Due Wed. Oct. 13th, 19:00)      **Student Number**:

**Problem 1: §3.1 #22**

**Answer:**   $\dfrac{dy}{dv} =$

**Problem 2: §3.1 #42**

**Answers:**   $G'(r) =$                              $G''(r) =$

**Problem 3: §3.2 #20**

**Work:**

**Answer:**   $g'(t) =$

**Problem 4: §3.2 #42**

**Work:**

**Answers:**   (a) $h'(2) =$             (b) $h'(2) =$             (c) $h'(2) =$             (d) $h'(2) =$

**Problem 5: §3.3 #8**

**Work:**

**Answer:** $f'(t) =$

**Problem 6: §3.3 # 20**

**Work:**

**Answer:** the tangent line is $y =$

**Problem 7: §3.4 # 30**

**Work:**

**Answer:** $f'(t) =$

**Problem 8: §3.4 # 32**

**Work:**

**Answer:** $\dfrac{dy}{dx} =$