

King Fahd University of Petroleum & Minerals  
Department of Math and Stat  
Math 106 Semester 182 - Quiz 5

Name \_\_\_\_\_ ID No. \_\_\_\_\_

1) Find the exact area of the region bounded by the graphs of  $y = 9 - x^2$  and  $y = 5 - 3x$ . Also sketch the region.

2) Determine:  $\int \frac{x}{e^{2x}} dx$