

Name _____

Section 0251

Answer all problems. There are 10 possible points.

1. Find each of the following (3pts each):

a) $\int 4x^3 e^{-x^4} dx$

b) $\int x \sqrt{8 + x^2} dx$

2. Find the following definite integral using formulas from geometry (4pts):

$$\int_0^5 (3 + 2x) dx$$