

Name _____

Section 0242

Answer all problems. There are 10 possible points.

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

a) $\int x^2 e^{-x^3} dx$

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

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

$$\int_{-1}^3 (3+x) dx$$