Quiz 2

Please show **all** your work! Answers without supporting work will not be given credit. Write answers in spaces provided.

Name:_

1. [4 pts] What would be the best substitution to make to solve the given integral?

$$\int 3e^{3x}\cos(e^{3x})\sin^5(e^{3x})\,dx$$

 $u = _$

2. [6 pts] Compute $\int \frac{9x}{\sqrt{3x+1}} dx$

$$\int \frac{9x}{\sqrt{3x+1}} \, dx = -$$