

EG02041 Advanced Mathematics
Feedback Quiz (2): Integration
Total Points 10

Name:

ID:

1. Distance. Suppose that $a(t) = 12t^2 - 6$, the initial velocity is $v(0) = 5$ and the initial position is $s(0) = 10$. Find $s(t)$.

2. Use substitution to evaluate $\int \tan x \, dx$

3. Evaluate:

$$\int_{-\infty}^0 \frac{x}{x^2 + 1} \, dx$$