Quiz 2
Math 102, Term 162

NAME:
ID:

Problem 1. Find the following integrals:

- $\int (2^{3x+4}) \, dx$

- $\int \csc(3x) \cot(3x) \, dx$

- $\int sech(1-x) \, tanh(1-x) \, dx$

- $\int \frac{dx}{\sqrt{5-x^2}}$

- $\int \sec(4x+3) \, dx$

Problem 2. Find the distance travelled by a particle moving with velocity $v(t) = \frac{1}{\sqrt{3-2t-t^2}}$ over the time period $[-1, 0]$.