

Quiz 2
Math 102, Term 162

NAME:
ID:

Problem 1. Find the following integrals:

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

- $\int \sec(3x) \tan(3x) dx$

- $\int \operatorname{csch}^2(3x) dx$

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

- $\int \sec(1 - x) dx$

Problem 2. Find the distance travelled by a particle moving with velocity $v(t) = \frac{1}{t^2+2t+4}$ over the time period $[-1, 0]$.