Term 131

Math 102 (09)

Quiz#1 (5.3, 5.4, & 5.5)

Family Name:

S.r#

Q1. Solve the initial value problem;

$$\frac{dy}{dt} = \frac{1}{1+t^2} \quad \text{where} \quad y(0) = -1$$

Q2. Evaluate $\int \cot x dx$

Q3. Evaluate
$$f(2)$$
 if $\int_{2x}^{1} f(t)dt = \sin(\pi x)$, (**Hint**: differentiate!)