Assignment 5 (10/1)

...ERMAHGERD...ERNTERGRERLS...

Subhadip Chowdhury

Problem 1

Integrate the following.

(a) $\frac{1-\cos(x)}{1+\sin(x)}$

(b) $\cos(2x)\ln(1+\tan x)$

(c) $\frac{\sqrt{x}}{1+\sqrt{x}}$

(d) $\frac{1}{\sin(x)+\tan(x)}$

(e) $\frac{1-e^x}{1+e^x}$ [Hint: What is $\tanh(x)$?]

(f) $\frac{1}{x-\sqrt{x^2+1}}$

(g) $x2^x$

(h) $\ln(x\sqrt{x})$

Problem 2

Come up with your team name (team B and C).