

Homework 6

Due: 7-7-14

Determine the indefinite integral in the following problems:

1. $\int 4t^3 + 3t^2 dt$

2. $\int 2 \sin \theta d\theta$

3. $\int \frac{5}{1+y^2} dy$

4. $\int \left(\frac{1}{x^2} - \frac{1}{x^3} + \frac{1}{x^4} \right) dx$

5. $\int u^{3/2} - u^{1/2} + u^{-1} + u^{-4} du$