Name	_		
Date			

Calculus Independent Study Path

Practice Unit 9 Test

Find the following indefinite integrals:

1.

$$\int \tan^{-1} x \, dx$$

2.

$$\int (\ln x)^2 dx$$

3.

$$\int \tan^2\left(\frac{\pi}{4}x\right) dx$$

4.

$$\int \frac{3x - 5}{\sqrt{1 - x^2}} dx$$

5.

$$\int \frac{x^5}{(x^2+4)^2} dx$$

6.

$$\int \frac{x-1}{x^2+x+1}$$