## MATH 2 HOMEWORK

Find the following:

$$\int (\pi - x^2)^{-\frac{1}{2}} dx$$

$$\int \frac{\sin x}{1 + \cos^2 x} dx$$

$$\int \frac{-1}{x\sqrt{1-(\ln x)^2}} dx$$

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