

Instructions: Show Your Work!

1. (4 pts) Find

$$\int \cos(\ln x) dx.$$

2. (6 pts) Integrate

$$\int \frac{x^2}{\sqrt{1-4x^2}} dx$$

Instructions: Show Your Work!

1. (4 pts) Find

$$\int \sin(\ln x) dx.$$

2. (6 pts) Integrate

$$\int \frac{x^2}{\sqrt{1-4x^2}} dx$$