Full	name(s):	

Questions

- 1. Find each of the following anti-derivatives (indefinite integrals):
 - $\int \cos(x) dx$
 - $\int \sin(x) dx$

 - $\int \frac{1}{x} dx$ $\int \frac{1}{x+2} dx$
 - $\int \cos(5x) dx$
 - $\int \frac{1}{1+x^2} dx$
- 2. Find each of the following areas (definite integrals):
 - $\int_0^\pi \cos(x) dx$
 - $\bullet \quad \int_{-1}^{1} \frac{1}{1+x^2} dx$
 - $\int_5^{10} x^4 x^2 dx$
 - $\int_{1/2}^{3/2} \frac{1}{x^2}$