

## HW 22: Section 4.1

Due: Thursday, December 5th in SQRC by 9pm

**Learning Goals:**

- Compute antiderivatives.

**Questions:**

1. Problem 4.1.8. Find the general antiderivative of  $2x^{-2} + \frac{1}{\sqrt{x}}$ .
2. Problem 4.1.20. Find the general antiderivative of  $2x^{-1} + \sin(x)$ .
3. Problem 4.1.22. Find the general antiderivative of  $\frac{3}{4x^2+4}$ .