

Homework due Fri, Feb 6 at the beginning of class. Your solutions should be what you would propose as a “full-credit” solution on an exam.

1. Evaluate:

(c)  $\int \frac{dx}{\sqrt{x} + x\sqrt{x}}$ . Try the “rationalizing” substitution—let  $u = \sqrt{x}$ .

(d)  $\int \frac{dx}{x + \sqrt[3]{x}}$ .