

Spring 2019 Math 152

Week in Review 4
courtesy: Amy Austin
(covering section 7.3)

Section 7.3

1. $\int x^3 \sqrt{4 - x^2} dx$

2. $\int_{5\sqrt{2}}^{10} \frac{dx}{x^3 \sqrt{x^2 - 25}}$

3. $\int \frac{1}{x^2 \sqrt{16x^2 - 9}} dx$

4. $\int \frac{dx}{\sqrt{x^2 + 4x + 8}} dx$

5. $\int \frac{1}{(x^2 + 6x + 13)^{3/2}} dx$

6. $\int_0^{2/3} \frac{1}{(4 + 9x^2)^{5/2}} dx$