Math 222 (Steven Sam), Fall 2016 Homework 2, due September 21

Only the starred problems (7 total) need to be submitted for grading.

Chapter 1.9 (pages 26–27) from book: 1, 2, 3, 4, 6*, 10, 11*, 16*, 17*, 22*

For some of the following problems, Table 2 in the book (p.35) might be helpful for checking certain steps, but derive whatever formulas you need. Also, $\sec x = \frac{1}{\cos x}$ by definition.

(E5) Evaluate
$$\int x^3 \sqrt{9 - x^2} \, dx$$
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