

Homework #8: due in class Friday, Nov. 6

**From the text:**

Chapter 5.3 / 1, 5, 10, 15, 18, 23, 24

Chapter 5.5 / 1, 2, 7, 14, 20

**8.1.** Find the general solution to

$$y''(x) + y(x) = \tan(x), \quad 0 < x < \frac{\pi}{2}.$$