

# Math 4560 Homework for Chapter 8

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Due Monday 7 November

1. The exercises for this chapter are excellent. . . .
2. Problems to hand in: 8.1.11, 8.2.13, and 8.3.1. Hint: To determine the saddle-node bifurcations for 8.1.11 start by finding the rest points and their linearizations. Problem 8.2.13 is straightforward after reading the preceding paragraph. I suppose that 8.3.1 resembles 7.3.2.