

Math 23 Diff Eq: Homework 3—revised

due Wed Oct 12

No computers needed this week—just your brains and pencils!

3.1: 8, 11, 23.

3.2: 4, 9 (be sure to give $p(t)$, $q(t)$ and $g(t)$), 26, 28.

3.3: 4, 17, 24 (please explain carefully).

3.4: 5 (hint: take log), 10, 18, 33 (again, a proof so explain as clearly and simply as you can).

New questions to replace the postponed ones:

3.4: 6, 27, 38 (make sure you can use chain rule by checking 34 ab), 39.

[The following will be postponed to HW4, so don't worry if you already did them, just don't hand them in yet:

3.5: 3, 14, 16.

3.6: 1, 2.]