

## Math 3470: HW 7

Due Friday, 3/8

### Problem 7.1

Prove Theorem 4 in Section 2.2.

Hint: consider  $y - y_p$ . Which equation does it satisfy? Use a theorem from lecture/book.  
(The proof is in the book, but first try to do it yourself.)

### Problems from the book:

Section 2.2 Ex 1, 3, 5, 8

MOVED TO NEXT WEEK's HW (due 3/15 now): Section 2.3 Ex 1, 2 a, c, d, g; 3 a, e;