

NYUAD

Calculus With Applications

Fall Term 2013

Arman Mimar
Erwan Biland

Office Sama 1309B
Office Sama 1310

am623@nyu.edu
erwan.biland@nyu.edu

Homework - Week 10, Due Nov 13, 2013

First name:

Last Name:

ID:

Remarks: Please hand it in on Wednesday, in class.

| Problem | Possible | Points |
|----------------|-----------------|---------------|
| 1 | 5 | |
| 2 | 5 | |
| 3 | 5 | |
| 4 | 5 | |
| 5 | 5 | |
| 6 | 5 | |
| 7 | 5 | |
| 8 | 5 | |
| 9 | 5 | |
| 10 | 5 | |
| Total | 50 | |

1. Section 5.5 Ex 12, p306 of the book.

2. Section 5.5 Ex 20, p306 of the book.

3. Section 5.5 Ex 36, p306 of the book.

4. Section 5.5 Ex 44, p307 of the book.

5. Section 5.5 Ex 66, p307 of the book.

6. Section 6.1 Ex 4, p316 of the book.

7. Section 6.1 Ex 12, p316 of the book.

8. Section 6.1 Ex 30, p316 of the book.

9. Section 6.1 Ex 32, p316 of the book.

10. Evaluate the integral $\int_0^1 \frac{4x^3}{2x^2 - 5x - 3} dx$.

The final answer should involve $\ln 2$ and $\ln 3$.