

Math 1314
Homework 18

Enter your answers in the EMCF titled "Homework 18" at casa.uh.edu before the due date/time. In the problem numbers given below, 5.1.30 refers to Chapter 5, Section 1, Problem 30. The problems can be found in the online text.

1. Problem 5.1.16

- A. $-\frac{1}{6x^6} + C$ B. $\frac{1}{8x^8} + C$ C. $-\frac{1}{8x^8} + C$
D. $\frac{1}{6x^6} + C$ E. $-7x^6 + C$ F. none of the above

2. Problem 5.1.26

- A. $-\frac{9}{5}x^{\frac{3}{5}} + C$ B. $-5x^{\frac{3}{5}} + C$ C. $-15x^{\frac{3}{5}} + C$
D. $\frac{6}{5}x^{\frac{7}{5}} + C$ E. $\frac{6}{7}x^{\frac{7}{5}} + C$ F. none of the above

3. Problem 5.1.32

- A. $3x^2 + 7x + C$ B. $3x + C$ C. $\frac{3}{2}x^2 + 7 + C$
D. $x^2 + 7x + C$ E. $\frac{3}{2}x^2 + 7x + C$ F. none of the above

4. Problem 5.1.36

- A. $5x^3 + x^2 - 3x + C$ B. $\frac{5}{3}x^3 + \frac{3}{2}x^2 - x + C$ C. $\frac{5}{3}x^3 + \frac{1}{2}x^2 - 3x + C$
D. $10x + 1 + C$ E. $\frac{5}{3}x^3 - \frac{1}{2}x^2 - 3x + C$ F. none of the above

Work the following problems. Round all answers and coefficients to four decimal places. Then find your answer in the answer bank given below to determine your EMCF answers. Answers in the answer bank may be used more than once or not at all.

5. Problem 5.4.6

6. Problem 5.4.10

7. Problem 5.4.14

8. Problem 5.4.20

9. Problem 5.4.30

10. Problem 5.4.34

A. 156

E. 102

I. 45.6565

M. 95

B. -8

F. 204

J. 31.5

N. not listed

C. -12

G. 37.5

K. 48.9898

D. 8

H. 29.3546

L. 25