Math 1314
Homework 7

Enter your answers in the EMCF titled "Homework 7" at casa.uh.edu before the due date/time. In the problem numbers given below, Problem 3.6 56 refers to Chapter 3, Section 6, Problem 56. The problems can be found in the online text.

Work the problems listed below. Round answers to four decimal places. Match your answers with the answers given in the lettered list below. Answers in the list may be used more than once or not at all.

1. **Problem 3.6.4**
2. **Problem 3.6.8**
3. **Problem 3.6.24**
4. **Problem 3.6.28**
5. **Problem 3.6.40**

Answers:

A. 0	B. 2.2350	C. 59.3858	D. 8.8044
E. 0.1006	F. 1.1651	G. -21	H. 64.8370
I. -0.0252	J. 18.3012	K. -5.7641	L. Answer is not listed

Work the problems listed below. Round answers to four decimal places. Match your answers with the answers given in the lettered list below. Answers in the list may be used more than once or not at all.

6. **Problem 4.1.26, find the larger x value**
7. **Problem 4.1.30, answer is in feet per second**
8. **Problem 4.1.44, part B, answer is in billions of dollars**
9. **Problem 4.1.44, part C, answer is in billions of dollars per year**

Answers:

A. 2288	B. -64	C. 49.4708	D. 10.7296
E. 12.66	F. 61.25	G. 4.7321	H. 421.93
I. 4	J. Answer is not listed		

10. **Problem 4.1.10, part B**

    A. $y = x - 9$
    B. $y = -9x + 144$
    C. $y = 9x + 63$
    D. $y = x + 9$
    E. $y = 18x + 144$