

Math 1314  
Homework 9

Enter your answers in the EMCF titled “Homework 9” at [casa.uh.edu](http://casa.uh.edu) before the due date/time.  
In the problem numbers given below, Problem 4.2 26 refers to Chapter 4, Section 2, Problem 26.  
The problems can be found in the online text.

For problems 1 – 10, work the problem and match the answer with the numbers given in the answer bank given below the assigned problems. Units are omitted in the answer choices.  
Answer choices may be used more than once or not at all. **Round answers to 2 decimal places.**

1. Problem 4.2.28
2. Problem 4.2.32, Part A (find the actual cost of the 101<sup>st</sup> item)
3. Problem 4.2.32, Part B (use marginal cost function when  $x = 100$ )
4. Problem 4.2.36, Part B
5. Problem 4.2.36, Part E
6. Problem 4.2.36, Part G
7. Problem 4.2.40, Part C
8. Problem 4.2.46, Part C
9. Problem 4.2.50, Part C
10. Problem 4.2.54, answer is given in billions of dollars

- |             |             |                         |             |
|-------------|-------------|-------------------------|-------------|
| A. \$229.68 | B. \$218.17 | C. \$165                | D. \$0.85   |
| E. \$5.94   | F. \$188.80 | G. -\$0.06              | H. \$229.80 |
| I. \$5.40   | J. \$93.07  | K. \$188.84             | L. -\$0.05  |
| M. \$316.45 | N. \$380.00 | O. Answer is not listed |             |