## Finding Answers to Homework Problems using the 11th Edition

The odd-numbered homework problems are all answered at the end of your textbook. In addition, I have written answers to the even-numbered homework problems and to some of the odd-numbered problems as well. However, some of the homework problems' numbers have changed since I wrote the answer sheets. The following table gives the correspondence between the numbers in your edition of the textbook and the numbers in my answer sheets. For example, to find the answer to Chapter 3's Question 8, look in my answer sheets for "Chapter 5 Question 3," which is what that question used to be called.

All lines marked "*" in the table correspond to a question whose answer is given in my answer sheets. The other symbols mean the following:

**RQ:** Review Question (instead of 'Problem')

†: The old question was somewhat different. It follows: Consider the function $Y = \sqrt{X \cdot Z}$ where $X > 0$, $Z > 0$. Draw the contour lines (in the positive quadrant) for this function for $Y = 4$, $Y = 5$, and $Y = 10$. What do we call the shape of these contour lines? Where does the line $20X + 10Z = 200$ intersect the contour line $Y = 50$? (Hint: It may be easier to graph the contour lines for $Y^2$ here.)

†† Instead of the letter $B$, the 4th edition used the letter $O$.

††† The old edition asked all the same questions but grouped them together, instead of splitting them up as (a), (b), (c), (d), and (e).

¶: The 11th edition's "venture capitalist Sarah" is called the "enterprising entrepreneur" in earlier editions. Also, comment on part 7b (in the old numbering system) in my hand-out.

| 11th Edition | | 4th Edition | |
|---|---|---|---|
| App.Ch.1 | 5 | Chap. 2 | $5^\Diamond$ |
| | 6 | | 7* |
| | 10† | | 8* |
| Chap. 2 | 1 | Chap. 3 | 1 |
| | 2†† | | 2* |
| | 5††† | | 6* |
| | 7abc | | 8* |
| Chap. 3 | 8 | Chap. 5 | 3 |
| Chap. 6 | RQ5 | Chap. 7 | 4* |
| | 1 | | 1 |
| | 2 | | 2* |
| | 3 | | 3 |
| Chap. 7 | 1 | Chap. 8 | 1 |
| | 4 | | 4* |
| | 5 | | 5 |
| | 7¶ | | 7 |

...table continues →

$\Diamond$ The best answers to the 4th edition Chap. 2 questions 4, 5, and 6 are given on the page entitled "Notes on Answers to Qu. 4, 5, and 6" in the answer sheets just after the answer to Question 4.

| Chap. 8 | RQ3cde | Chap. 9 | 4* |
|---|---|---|---|
| | 1¶¶ | | 1 |
| Chap. 9 | 2ab¶¶¶ | Chap. 11 | 3 |
| | 3 | | 6* |
| | 4§ | | 7 |
| Chap. 11 | 1 | Chap. 12 | 1 |
| | 2b | | 2b* |
| | 3§§ | | 3 |
| | 4ab | | 4ab* |
| | 5 | | 5 |
| | 6a | | 6* |
| Chap. 13 | 1 | Chap. 14 | 3 |
| | 2 | | 4* |
| | 3 | | 5 |
| | 6 | | 6* |
| | 7 | | 7 |
| | 8 | | 9 |
| Chap. 14 | 5§§§ | Chap. 16 | 2* |
| | 8 | | 3* |

¶¶ In the 11th edition, the owner is named Beth; in earlier editions, the owner is named John.

¶¶¶: Part b to be discussed in class.

§ In (a), the last two questions refer to the number of diamonds produced by the industry, not by each firm.

§§ In the 11th edition, the masks are Batman masks; in earlier editions, they were Nixon masks.

§§§: In old answer, the second interest rate was 9% instead of 8%.