Answer questions 1 - 3 for problem number 4 from the book.
1. Give the corners of the feasible set.
    a. (0, 0), (0, 4), (4, 0)
    b. (0, 0), (0, 4), (10/3, 4/3), (4, 0)
    c. (4,0), (10/3, 4/3), (0, 4)
    d. (0, 4), (4, 0),
    e. (10/3, 4/ 3)

2. Give the maximum value(part A).
    a. 24
    b. 0
    c. −12
    d. -2
    e. No Maximum

3. Give the minimal value(part B)
    a. 24
    b. 0
    c. −12
    d. −2
    e. No Minimum

Answer questions 4 - 6 for problem number 12 from the book.
4. Give the corners of the feasible set.
    a. (0, 4), (0, 8), (6, 0), (4, 0)
    b. (4, 0), (3, 2), (6, 0)
    c. (0, 4), (0, 8), (3, 2)
    d. (0, 0), (0, 4), (3, 2), (4, 0)
    e. (0, 0), (0, 4), (0, 8), (3, 2), (4, 0), (6, 0)

5. Give the maximum value(part b).
    a. 160
    b. 80
    c. 61
    d. 28
    e. 42

6. Give the minimal value(part c)
    a. 61
    b. 0
    c. 42
    d. 80
    e. 28

Use the following problem to answer questions 7 and 8.
$$\text{Min } P = 5x + 5y$$

$$6x + 3y \le 24$$
$$3x + 6y \ge 30$$
$$x, y \ge 0$$

7. Give the corners of the feasible set.
    a. (0, 0), (0, 8), (10, 0)
    b. (0, 0), (0, 5), (4, 0), (2, 4)
    c. (0, 0), (0, 5), (10, 0)
    d. (0, 8), (0, 5), (2, 4)
    e. (4, 0), (2, 4), (10, 0)

8. Give the optimal solution.
    a. 40
    b. 50
    c. 25
    d. 20
    e. 30

Use the following problem to answer questions 9 - 10.
$$\text{Max } P = 20x + 30y$$

$$3x + 6y \le 4800$$
$$3x + 4y \le 3600$$
$$3x + 2y \le 2700$$
$$x, y \ge 0$$

9. Give the corners of the feasible set.
    a. (0, 1350), (550, 525), (400, 600), (0, 900)
    b. (0, 0), (0, 800), (550, 525), (900, 0)
    c. (400, 600), (550, 525), (600, 450)
    d. (550, 525), (600, 450), (0, 1200), (0, 1600)
    e. (0, 0), (900, 0), (600, 450), (400, 600), (0, 800)

10. Give the optimal solution.
    a. 26000
    b. 25500
    c. 26750
    d. 18000
    e. 24000