

Solutions Problem Set 2

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1 Solutions for Chapter 8

Solution for Exercise 1.

1. $x_1 = 12, x_2 = 0$
2. $x_1 = 0, x_2 = 12$
3. $\tilde{m} = 3600$
4. $x_1 = 0, x_2 = 36$
5. 12
6. 0

Solution for Exercise 2.

1. $x_1 = 8, x_2 = 4$
2. $x_1 = 6, x_2 = 3$
3. $\tilde{m} = 1600$
4. $x_1 = 8, x_2 = 4$
5. 0
6. 2

Solution for Exercise 3.

1. $x_1 = 6, x_2 = 6$
2. $x_1 = 3, x_2 = 6$
3. $\tilde{m} = 1800$
4. $x_1 = 4.5, x_2 = 9$
5. 1.5
6. 1.5