

Learning outcomes

After completing this section, you will inshaAllah be able to

1. solve some types of optimization problems

What are optimization problems?

- See class explanation

Strategy for solving related rates problems

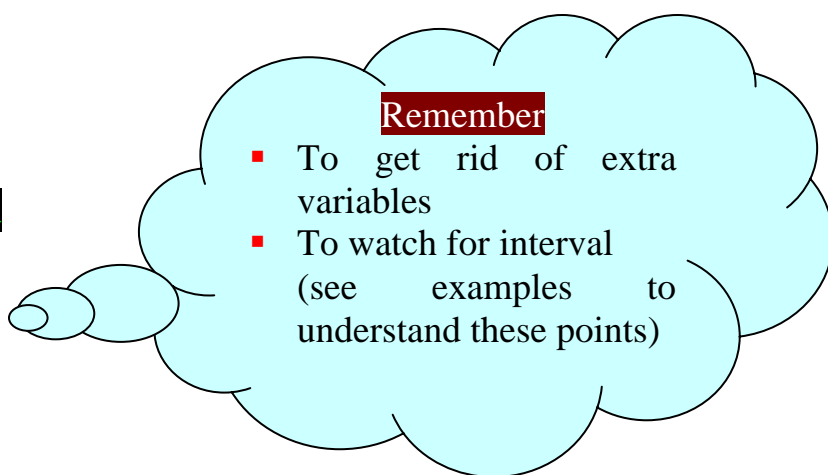
1. Understand the situation

- draw a figure (if possible)
- introduce variables

2. Set up the problem

- List given information/data
- Write equations
- To maximize or minimize
- Any other relations

3. Solve using ideas of 4.1 and 4.3



See examples done in class

End of 4.7