Learning outcomes

After completing this section, you will inshaAllah be able to

- 1. find higher order derivatives of
 - a. explicitly defined functions
 - b. implicitly defined functions

Higher order derivatives: Introduction & Computations

- Given a function f(x).
- Then its derivative f'(x) is again a function of x
- So we can differentiate f'(x) further.
- This leads to the idea of higher order derivatives of f(x).





• We learn computations and concept with the help of examples.

See examples 1, 2, 3, 4, 5, 6, 7, 8, 9 done in class See example 2 to learn how to find higher order derivatives for implicitly defined functions.

End of 3.7