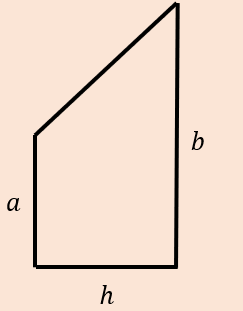
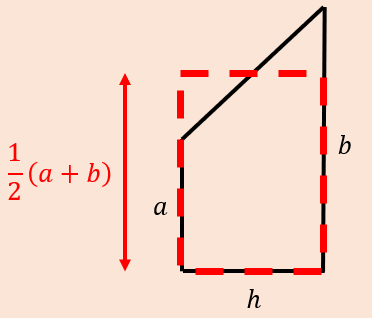
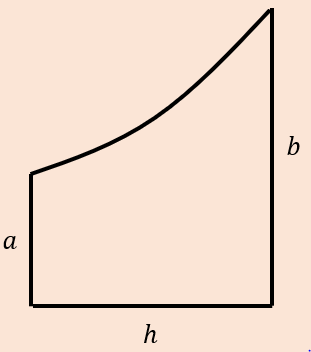
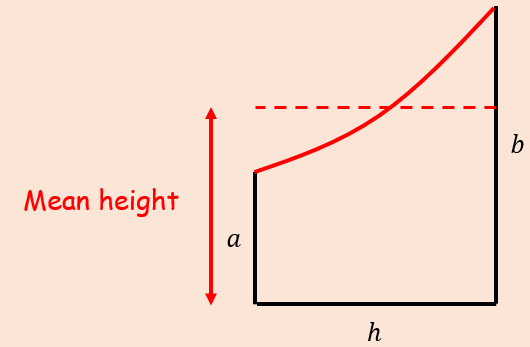
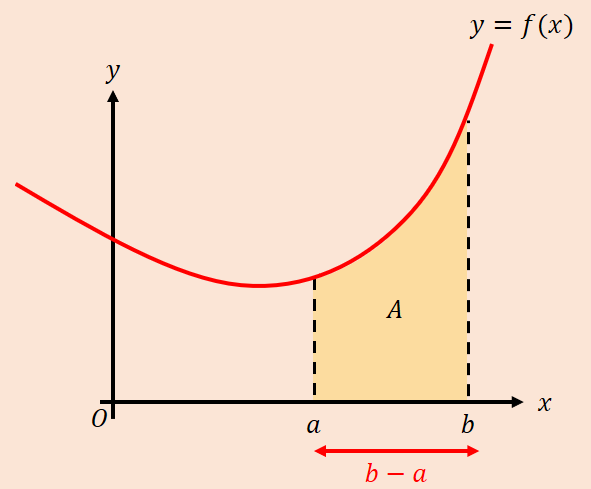
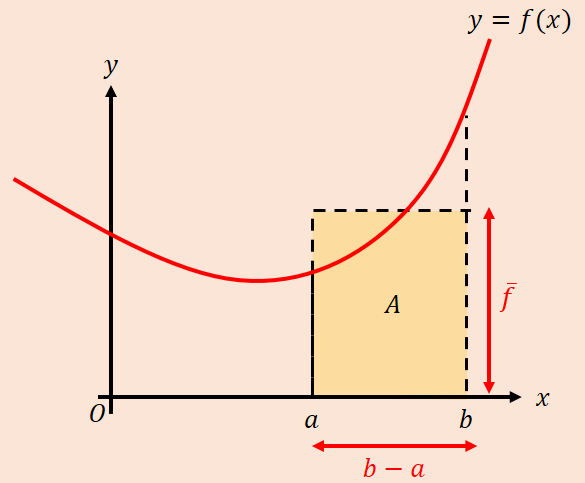
**3B Mean Value of a Function**

1. Find the mean value of in the interval .
2. Given that
3. Show that the mean value of on the interval is
4. Use your answer to part a) to find the mean value of over the interval
5. Use geometric considerations to write down the mean value of over the interval

In General:

Vertical Transformations:

Horizontal Transformations: