

## CLL:113-Tut-10(23.10.19)

Q1. The following function exhibits both flat and steep regions over a relatively short x region:

$$f(x) = \frac{1}{(x - 0.3)^2 + 0.01} + \frac{1}{(x - 0.9)^2 + 0.04} - 6$$

Determine the value of the definite integral of this function between  $x = 0$  and  $1$  using an adaptive classical RK-4 method.