

(Q1)  $p = \frac{3}{16}$  ,  $p = \frac{9}{52}$

(Q2)  $-1.0884$

(Q3)  $0.00000326$

(Q4)  $0.02$

(Q5) (a)  $\max=5.20674$  ,  $\min=5.16915$                       (b)  $0.04674$

(Q6)  $0.058330$

(Q7) (a)  $3.090$                       (b)  $3.089$