

- (Q1) (a) 1.1353 (b) 0.8826 (c) 0.8690 (d) 0.8650
(e) 0.8666 (f) 0.7358 (g) 0.8618 (h) 0.8646
(i) (1) $M \geq 11548$ (2) $M \geq 39$

(Q2) 101

(Q3) 520.5

(Q4) $DOP = 2$ $E[f] = \frac{2h^4}{27} f'''(c)$

(Q5) (a) $A = \frac{3}{2}$, $B = 0$, $C = \frac{1}{2}$ (c) $\frac{-2}{27} f'''(c)$

(Q6) $\frac{1}{2}(f(a) + f(b))$

(Q7) $6.22h^5$