Introduction to Differentiation 2 - Answers

(1) a) 52 increasing b) $\frac{5}{2}$ increasing

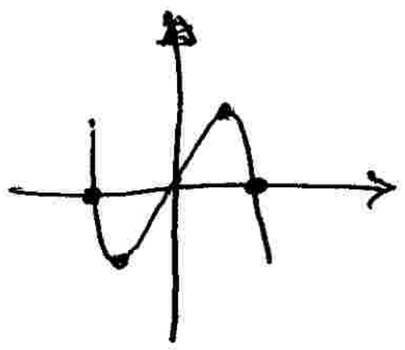
(2) $(3,26), (-3,16)$

(3) $y+10x+3=0$ or $y+10x=-3$

(4) a) $(1,3)$ and $(3,-3)$ b) A is $(1,3)$

(5) a) $(0,0), (\sqrt{3},0), (-\sqrt{3},0)$ b) $(-1,-2)$ min, $(1,2)$ max

c)



(6) a) Proof

b) $x = 4cm$, $h = 2cm$