

Elyas Sanzar

A 95

Q1.)

193004896

$$a=8$$

$$b=6$$

$$r(t) = \langle t^a, t^b, t^{(2+a)} \rangle$$

at the point $\langle 2^a, 2^b, 4^a \rangle$

A1:

$$\langle t^8, t^6, t^{14} \rangle = \langle 256, 64, 65, 536 \rangle$$

$$t^8 = 256$$

$$t = 2, -2$$

$$t^6 = 64$$

$$t = 2, -2$$

$$t^{14} = 536$$

$$t = 2$$

~~$R(t) = \langle 8t^7, 6t^5, 16t^{13} \rangle$~~

$$R'(t) = \langle 8t^7, 6t^5, 16t^{13} \rangle$$

$$R''(t) = \langle 56t^6, 30t^4, 240t^{12} \rangle$$

~~$R'(2) = 8(2)^7, 6(2)^5, 16(2)^{13}$~~

$$R'(2) = 8(2)^7, 6(2)^5, 16(2)^{13}$$
$$= 1024, 192, =$$

$$R''(2) = 56(2)^6, 30(2)^4, 240(2)^{12}$$
$$3584, 480$$

$$|R'(2) \cdot R''(2)|$$

Q2.) ACDC