Sample Paper Answers

Question 3

A) i) 2Pi

ii) 3

iii) 3.57

B)

x	-PI	-PI/2	0	PI/2	PI
Y	-3	0	3	0	-3

C) * See Graph

D) -3/x^4

E) Unsure

F) -2xsin(x^2)

G) maxima = 0, minima unsure

H) i) a = -1/15

ii) V(t) = 4 - 1/15 * t

iii) increases 3.5m every second (Unsure of answer)

iv) It will continue to speed up (Unsure of answer)

v) S(t) = 1/2 * (4 + 3)t