vestion 9 y = ln(x-1)2) 0 $\frac{b-2}{6}\left[f(a) + 4(f(\frac{2+b}{2}) + f(b))\right]$ (i) $\frac{4-2}{6}\left(\frac{4}{6}\left(\frac{1}{6}\right)+(2.7)+1.09\right)$ 2 (3.892588722) = 128 units2

b) $10000 A_1 = 5000 (1.0875)^{20}$ $A_2 = 5000 (1.0875)^{19}$ $A_{10} = 5000(1.0875)$ A1+A2+A2--+A20 $S_n = a(r^{-1})$ = 5000(1.0875)(1.0875²⁰-1) 0.0875 =\$270498.72 (resest cat) $V_2 = 2t^2$ when t = 5 $V_{2} = 2(5)^{2}$ = 50