Q2 2009 MATHS 1 $2 A$	
$2 = \frac{1}{2} \ln(x^2 + y^2) - \frac{1}{2} \ln(2).$	
$\frac{df}{dx} = \frac{1}{2} \frac{2x}{(x^2 + y^2)} \left \frac{-2}{l - \frac{1}{2} l_1 0} \right = -\frac{1}{2}$	
$\frac{df}{dy} = \frac{1}{2} \frac{2y}{(x^2 r y^2)} \frac{2}{4} = \frac{1}{2}$	
$f(-1,1) = 0.$ $2 = 0 + (-\frac{1}{2})(X1) + (\frac{1}{2})(Y-1)$ $2 = -\frac{1}{2}(X+1) + \frac{1}{2}(Y-1)$	2
$\beta_{1} = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{2}$	
push thrugh. $(-1,1,0)$ with dreion $(2,1,-1)$ $x = x_0 + x_1 + x_2 + x_3 + x_4 + x_4 + x_5 + $	
$x=-1+2\epsilon$ $y=1+\epsilon$ $z=-\epsilon$ = progreting eq. q	