P1. (b)- x+y-x2+2xy-y2=0

general = Ax2+8xy+Cy2+0x+Ey+F=0=> -x2+2xy-y2+x+y=0

eliminate xy-term: $x = x^x cos \theta - y' sin \theta$ $y = x' sin \theta + y' cos \theta$ $cot 2\theta = \frac{A-c}{8}$

Az-1 B=2 C=-1

Cot 28 = 0 = 0 arccor 0 = 2

x = x' Cos 2 - y' Sin a 2

1 = x > 5/n = +1/0) = X.

1/2 = (1), X - (0) x =

 $= (-y')^{2} + 2(-y')(x') - (x')^{2} + (-y') + (x') = 0$

foods=(2, 3)

directix = y = -x - 1 latus rectum: W 52 length