ster 3: 
$$\frac{dt}{dn} = 2(1152)$$
  $\frac{dt}{dn} = 2(-115-2)$ 

Sten 4: 
$$\Delta n = -4 \frac{dE}{dR} = \frac{1}{2} \left( -0.1 \right) \times 2 = -0.2$$

$$f(\pi, y) = (0.16)^{2} + (-0.16)^{2} + 10$$

$$= (0.0512)$$