$$e = \frac{\sigma}{2h} \times Z\frac{\alpha}{2}$$

$$n = (\frac{3}{015})^{2} \times (196^{2} = 13813 = 139)$$

(3)  

$$t = 0.05$$
  $e = 0.02$   $1 - 0.98$   
 $n = (\frac{0.05}{0.02})^2 \times 2.3.1^2 = 33.8 = 34$ 

$$n = \left(\frac{1196}{0103}\right)^{2} \times 0142 \times 0158 = 1039,29$$

$$n = \left(\frac{1.96}{0.03}\right)^{2} \times 1.5 \times 0.5 = (067.11^{\frac{1}{2}}, 1.68)$$

$$P_{1} = 29 \cdot \frac{3}{12}7.$$

(3) 
$$\hat{p} \pm 2 \frac{1}{2} \sqrt{\hat{p}(1-\hat{p})} = 0.156 \pm 20.05 \sqrt{0.444900}$$
  
=  $0.156 \pm (.645 \times 0.06 = 0.156 \pm 0.1)$   
=  $(0.146, 0.66)$ 

$$(\hat{p}_{1} - \hat{p}_{2}) \pm 2 \pm \sqrt{\hat{p}_{(1-\hat{p})}} + \hat{p}_{2}(1-\hat{p}_{2})$$

$$= (0.155 - 6.16) \pm 20.005 \sqrt{\frac{0.155 \times 0.155}{100}} + \frac{6.6 \times 0.4}{100}$$

$$= -0.005 \pm 1.96 \times 0.007$$