2. (114, 11, 115,6) is the 90% confidence internal because the intervalis smaller, which mans the confidence 3, a, Critical value: 2 = 2,005 X~ N(1.01, 6.18) D(7.57)/11:995 1.01± 2.57 \ \(\frac{0.18^2}{35}\) gives (I (0.931, 1.088) b. The control department should

$$4, \hat{\theta} = 0.4, n = 1082$$

$$(0.4 + \frac{1.65^{2}}{2.1082}) \pm 1.65$$
 $(0.4(1-0.4) + \frac{1.65^{2}}{4(1082)^{2}})$

5.
$$\alpha = 0.1$$
 $n-1=5$

$$5 = \sqrt{(4.949337^2 + (5.1-9.933)^2 ...} = 0.137$$

$$5 = 2.015$$

$$7 = 4.93$$

$$4.93 \pm 2.015 \sqrt{\frac{0.137^2}{6}}$$

$$9iv = (4.817, 5.043)$$