7.2 
$$(114.4, 15.6)$$
  $(114.1, 115.9)$ 
 $7 = 15.6 - 114.4 = 0.6$ 
 $7 = 15.0$ 
 $7 = 15.0$ 
 $7 = 15.0$ 
 $7 = 15.0$ 

This because the later has a larger neternal, hence a larger critical value, and intering a bigger contidence interval.

$$\overline{P}(z_{0/2}) = \frac{1.95}{2} = 0.975$$
 $\overline{P}(z_{0/2}) = 1.95$ 

$$\overline{\Psi}(t_{4/2}) = \frac{1.58}{2} = 0.99$$

$$\hat{t} = \frac{\hat{p} + Z_{xx}^2/2n}{1 + Z_{xy}^2/n} = 0.1505$$

The interval is

$$X = \frac{229.769+233.509}{2} = 231.659$$

$$W = 233.504-229.769 = 1.87$$

$$b_{0.025,4} = 2.776$$

$$1.87 = 2.776 \cdot \frac{S}{-5}$$

$$S = 15.063$$