Quiz 2, Attempt 2

Find a 90% upper confidence limit for the variance of a normal population based on a random sample of size 100, in which the outcome of the sample mean was recorded to be 7.3, and the outcome of the sample variance was recorded to be 1.6.

$$.90 = P\left(\frac{\chi^{2}(qq)\chi}{\sigma^{2}}, \frac{qqS^{2}}{\sigma^{2}}\right)$$
$$= P\left(\sigma^{2}\chi, \frac{qqS^{2}}{\sigma^{2}}, \frac{qqS^{2}}{\chi^{2}(qq)}\right)$$

