For $X \sim$ Uniform(c,d):

$$P(a < X < b) = \frac{b-a}{d-c}, \ \mu = \frac{c+d}{2}, \ \sigma = \frac{d-c}{\sqrt{12}}$$

$$Z = \frac{X - \mu}{\sigma}, \ X = Z\sigma + \mu$$

$$Z = \frac{\bar{X} - \mu}{\sigma/\sqrt{n}}$$

$$\bar{x} \pm t_{\alpha/2}(s/\sqrt{n}),$$

where $t_{\alpha/2}$ based on $n-1$ df

$$\hat{p} \pm z_{\alpha/2}\sqrt{\frac{\hat{p}(1-\hat{p})}{n}}$$

$$\left(\frac{(n-1)s^2}{\chi^2_{\alpha/2}}, \ \frac{(n-1)s^2}{\chi^2_{1-\alpha/2}} \right)$$

$$\left(\frac{s_1^2/s_2^2}{F_{\alpha/2(n_1-1,n_2-1)}}, \ \frac{s_1^2/s_2^2}{1/F_{\alpha/2(n_2-1,n_1-1)}} \right)$$

Sample size formulas:

$$n = \frac{(z_{\alpha/2})^2 \sigma^2}{B^2}, \ n = \frac{(z_{\alpha/2})^2 pq}{B^2}$$