20.解: 江 母体是常态分配,两组樣本是独立小樣本, 八、(x-Y)会服从七分丽.

(1) 
$$\frac{(1)^{2} + 62^{2}}{61^{2} + 62^{2}}$$
, 則自順为  $V = \frac{\left(\frac{11}{11} + \frac{12}{11}\right)^{2}}{\left(\frac{11}{11}\right)^{2} + \left(\frac{12}{11}\right)^{2}}$   $\frac{(11)^{2} + \frac{12}{11}}{11 + 1}$   $\frac{(11)^{2}}{11 + 1}$   $\frac{(11)^{2}}{11 + 1}$   $\frac{(11)^{2}}{11 + 1}$ 

·· MI-MZ I 100(1-x)%信賴区间为 (第一岁)七七些(以) 至十经

(2) 61之100(1-4)%信賴区间 (
$$\sqrt{\frac{(N_{r}1)5^{2}}{\chi^{2}_{2}(N_{r}1)}}$$
,  $\sqrt{\frac{(N_{r}1)5^{2}}{\chi^{2}_{1-\frac{5}{2}}(N_{r}1)}}$ )

$$\left(\frac{51^{2}}{52^{2}} \times \frac{1}{F_{\frac{1}{2}}(n_{r-1}, n_{2}-1)}, \frac{51^{2}}{52^{2}} \times \frac{1}{F_{r-\frac{1}{2}}(\frac{1}{A_{r-1}}, n_{\frac{1}{2}})}\right)$$