20.
$$1-d=0.9$$
, $\chi_{\frac{1}{2}}^{2}(n_{1}-1)=\chi_{0.05}^{2}(8)=15.51$

12) $\chi_{1-\frac{1}{2}}^{2}(n_{1}-1)=\chi_{0.95}^{2}(17)=2.73$

[$\frac{8}{18}\frac{1}{18}\frac{1}{18}$] $\frac{8}{18}\frac{1}{18}\frac{1}{18}$] $\frac{8}{18}\frac{1}{18}\frac{1}{18}$]

= $(6.66, 15.87)$

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