Calculate min-max normalization of the following data:

$$\Rightarrow$$
 min $A = 8$ mar $A = 20$

$$\Rightarrow 8 \sqrt{1} = \frac{8-8}{20-8} (1-0) + 0 = 0$$

$$\Rightarrow V = \frac{10-8}{20-8} (160) + 0 = 0.1667$$

$$\Rightarrow V' = \frac{15-8}{20-8}(1-0)+0 = 0.5833.$$

$$= \frac{1}{40-8} \left(1-0\right) + 0 = 1$$

$$\Rightarrow \frac{8+10+15+20}{4} = \frac{13.25}{4}$$

$$8D = \sigma = \int_{0}^{2} \int_{0}^{2} \left(\frac{1}{N} \sum_{i=1}^{N} \chi_{i}^{2} - \overline{\chi}^{2} \right) = \frac{1}{4} \left(\frac{8^{2} + 10^{2} + 15^{2} + 20^{2}}{15^{2} + 20^{2}} \right) - \left(\frac{13 \cdot 25^{2}}{15^{2} + 20^{2}} \right)$$

$$= \frac{789}{4} - (13.25)^2 = 21.6875$$

$$T = \sqrt{21.6875} = 4.657$$

$$Z_{SCOYR} = \frac{n - \mu}{\sigma}$$

$$8 \Rightarrow \frac{8 - 13.25}{4.657} = \frac{-1.127}{}$$

$$10 \Rightarrow \frac{10 - 18.25}{4.657} = \frac{-0.697}{}$$

$$\frac{15 \Rightarrow 15 - 13.25}{4.657} = 0.876$$

$$20 \Rightarrow 20 - 13.25 = 1.45$$