Date: / / No:

Dataset {0; 1; 4; 3; 12; 10; 6; 7}.

Mean $= \frac{\Sigma x}{n} = \frac{43}{8} = 5,375$

Median $= \frac{4+6}{2} = 5$.

Mode $= \emptyset$.

Standard Deviation $= \sqrt{\frac{\Sigma x^2 - \frac{\Sigma x}{n}}{n-1}} = 4,207$.

Variance $= \frac{\Sigma (x-\bar{x})^2}{(n-1)} = 17,695$.

Standard Error $= \frac{S.D}{\sqrt{n}} = 1,487$

Skewness $= \frac{n}{(n-1)(n-2)} \Sigma \left(\frac{x-\bar{x}}{S.D}\right)^3 = 0,356$

Range $= 12 - 0 = 12$.

Kurtosis $= \left\{ \frac{n(n+1)}{(n-1)(n-2)(n-3)} \Sigma \left(\frac{x-\bar{x}}{S.D}\right)^4 \right\} - \frac{3(n-1)^2}{(n-2)(n-3)}$

$= -0,929$