* Problem on standard deviation and variance. *

data set: 17, = 15, 23, 7,9,13.

variance and standard deviation. Find

solution : :-

$\frac{1}{2}$ $\frac{1}{2}$ $\frac{(2i-2)}{3}$	(21-2)
17 14	1 1
15 14	81
23 14 -7	25
9 14	1.
13: 14	166
2 5 (xi - x)2	6 (xi-x)
2 2 (201 - 23	

Variance =
$$s^2 = \frac{2(\pi i - \pi)^2}{\pi - 1}$$

of sample $s^2 = \frac{166}{6 - 1} = \frac{33 \cdot 2}{6 - 1}$

$$S^{2} = \frac{100}{6-1}$$

$$1 \text{ lowation} = \sqrt{S^{2}}$$

standard deviation = 152 for sample