

If you are a bit fuzzy about Σ notation, you might wish to go to my blog site <http://mrtwhs.blogspot.com> for a refresher.

x	3	4	1	2	5
y	2	1	0	1	-3

Use the above data for problems 1 through 8:

1. $\sum x$

2. $\sum x^2$

3. $(\sum x)^2$

4. $\sum (x - 2)$

5. $\sum (x - y)$

6. $\sum (xy)$

7. $(\sum x)(\sum y)$

8. $\sqrt{\frac{\sum (x - 3)^2}{4}}$ (to 5 places)

Use this data for problems 9 through 12:

y	2	4	5
f	4	2	4

9. $\sum (fy)$

10. $\sum (fy^2)$

11. $(\sum fy)^2$

12. $\bar{y} = \frac{\sum (fy)}{\sum f}$

13. Solve for \bar{x} if $z = 8$, $x = 3$, $s = 1$, $n = 16$, and $z = \frac{x - \bar{x}}{\left(\frac{s}{\sqrt{n}}\right)}$.