

TALK the TALK

Correlations R Us

Consider the given data sets.

Set A

| x | y |
|-----|-----|
| 0 | 24 |
| 2 | 19 |
| 5 | 12 |
| 10 | 6 |
| 20 | 0 |

Set B

| x | y |
|-----|-----|
| 8 | 13 |
| 10 | 4 |
| 14 | 15 |
| 15 | 14 |
| 19 | 73 |

1. Determine the linear regression for each set.
2. Compare the correlation coefficient and the coefficient of determination of each data set. Describe which regression equation is the better fit and why.