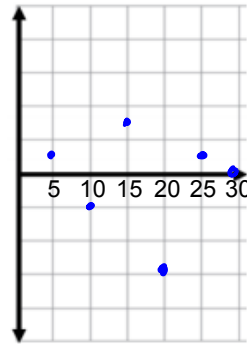


DO NOW

The table below represents the residuals for a line of best fit. Create a residual plot on the axes below, using the residual scores in the table.

x	Residuals (observed - predicted)
5	0.5
10	-1
15	1.5
20	-3
25	.5
30	0



Based on the residual plot, assess the fit of the line for these residuals. Justify your answer.

Random scatter plot
Good linear fit

May 22-7:03 AM

HW Answers

1. 2

2. 4

3. 2

4. Linear Relationship

The plot seems to be a random scatter of points

5. Non-Linear Relationship

The plot seems to have a definite pattern (curve)

6. Non-Linear Relationship

The plot seems to have a definite pattern (Curve)

7. Linear Relationship

The plot seems to be a random scatter of points

May 23-6:47 AM

TOPICS ON TEST

- Measures of Central Tendency
 - > mean, median, mode (from a list AND from a table)
- Range, Interquartile Range (IQR), standard deviation
- Dot Plots/Histograms
- Box and Whisker Plots
 - > Five Number Summary
- Scatter Plots
 - > writing regression equations
 - linear, exponential
 - correlation coefficients (r-value)
- Residuals and Residual Plots

$\sigma_x = \text{Population}$

$s_x = \text{Sample}$

Min Med Max
Q1 Q3

May 26-7:46 AM

StatDiagnostics: ON

1-Var Stats
(ONE list of data)

Mean

Median

Quartiles

Standard Deviation

Regression
(TWO lists of data)

Linear, Exponential

Correlation Coefficient

Scatter Plots

Residual Plots

May 20-9:38 AM