

Warm Up

1/8/19

#17 - 26 on the Released Test

Residuals on the Calculator

Make sure you have:

1. Inputted the X & Y values
2. Calculated the Line of Best Fit equation

3. **STAT** **ENTER**

4. Highlight L_3 **ENTER**

5. **2nd** **STAT** **7** **ENTER**

1.

$r = 0.95$ Strong
POS.
ACTUAL

x	y	Predicted Value	Residual Value
5	3	2.45	0.57
10	4	4.9	-0.86
15	9	7.35	1.71
20	7	9.8	-2.71
25	13	12.25	0.86
30	15	14.7	0.43

$$y = 0.49x$$

Which value of x has the largest residual? What does that mean?

2.

x	y	Predicted Value	Residual Value
2	5	15.61	-10.38
4	15	14.89	0.31
6	26	14.17	10.99
8	23	13.45	9.68
10	11	12.73	-1.64
12	3	12.01	-8.95

$$y = -0.36x + 16.33$$

Which value of x has the smallest residual? What does that mean?

4 the predicted value is the closest to the actual value

