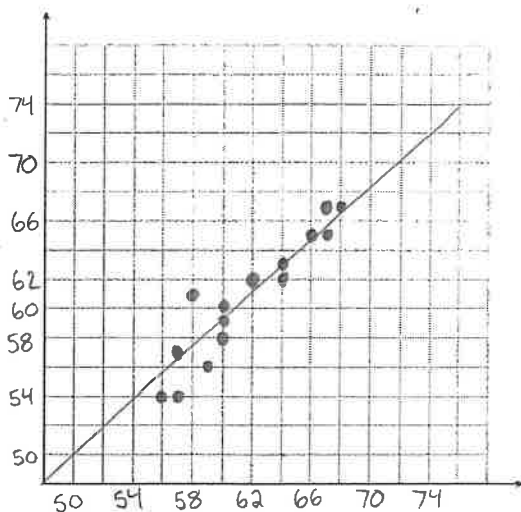


# 4. | A, B, C, D

Height	56	57	57	58	59	60	60	60	62	64	64	66	67	67
Arm Span	54	57	54	61	56	58	59	60	62	63	62	65	65	67

A<sub>1</sub>)

A  
r  
m  
S  
p  
a  
n



Height

A<sub>2</sub>) The scatter plot does / not support the claim that arm span and height are about equal.

A<sub>3a</sub>)  $S = h$  drawn on graph

A<sub>3b</sub>) 57, 57 The arm span and height are  
60, 60  
67, 67

A<sub>3c</sub>) 67, 69 } The height is smaller than the arm span, so these  
58, 61 } dots are \_\_\_\_\_ the line.  
68, 67 }  
66, 62 } The height is larger than the arm span, so these  
56, 54 } points are \_\_\_\_\_ the line.

B<sub>1</sub>) Robert Wadlow  
Height 8ft 11.1 inches  
Arm Span 9ft 5.75 inches

B<sub>1</sub>) Roberts point would be located \_\_\_\_\_  
the line.

B<sub>2</sub>) Roberts point does/not support the claim  
that arm span and height are roughly equal.

C<sub>1</sub>)

Height	56	57	57	58	59	60	60	60	62	64	64	66
Actual	54	57	54	61	56	58	59	60	62	63	62	62
Prediction	56	57	57	58	59	60	60	60	62	64	64	66
Residual	-2	0	-3	.								

Residual

$$\text{Actual} - \text{Prediction} = \text{Residual Errors}$$

C<sub>2</sub>) The residuals show...

I think the equation  $s=h$  is/not an accurate  
model.

D<sub>1</sub>) The T-rex data point...

D<sub>2</sub>) The T-rex data point would be...

# 4.2 A, C

Age	5	5	6	8	8	8	9	9	10	10	10	11	11	12	13
Time	25	22	23	18	16	17	15	16	17	20	14	15	13	14	17

A<sub>1</sub>) Slope = —

A<sub>2</sub>) The slope shows...

A<sub>3</sub>) It does not make sense to predict race time for a 7 year old.

A 7 year old can run 100 meters in \_\_\_\_\_ seconds.

Confidence level:

A<sub>4</sub>) It does not make sense to predict race time for a 21 year old.

A 21 year old can run 100 meters in \_\_\_\_\_ seconds.

Confidence level:

C<sub>1</sub>) Age and GPA are...

C<sub>2</sub>) This relationship is supported in the table by...

C<sub>3</sub>) This relationship is supported in the graph by...



# 4.3 A, B, C, E, F

A<sub>1</sub>) A correlation of 1.0 means...

A<sub>2</sub>) letter \_\_\_\_\_ has a correlation coefficient of -1.0  
A correlation of -1.0 means...

A<sub>3</sub>) Correlation Coefficient    -0.8    -0.4    0.0    0.4    0.8  
Scatter Plot Letter

B<sub>1</sub>)

B<sub>2</sub>)

C<sub>1</sub>)

C<sub>2</sub>)

E<sub>1</sub>)

E<sub>2</sub>)

F)

E<sub>3</sub>)

