

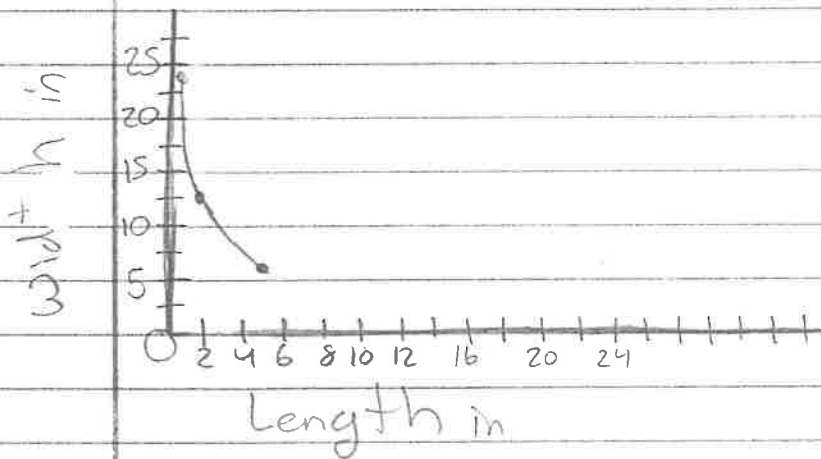
3.1 A+B

A1) Length \times Width = Area of rectangle

$$\text{Area} = 24 = K$$

Length	1	2	3	4	5	6	7	8
Width	24	12	8					

A2) Rectangles with Area of 24 in^2



A3) As the length increases, the width _____
Is this relationship linear?

A4) $w = \text{width}$ \swarrow equation \searrow
 $L = \text{length}$
 $24 = \text{area}$

B1) $w = \text{width}$ \swarrow equation \searrow
 $L = \text{length}$
 $32 = \text{area}$

B2)

L = length

W = width

32 = area

L

1

2

3

4

5

6

W

w

i

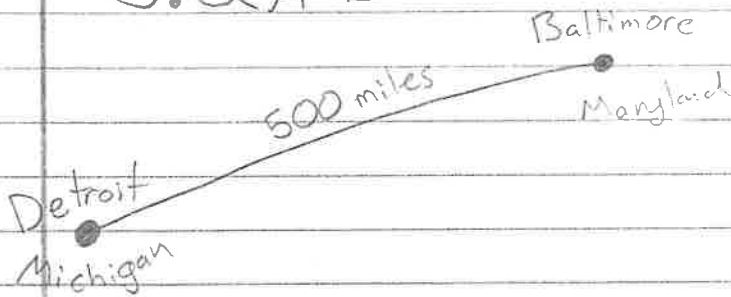
d

+

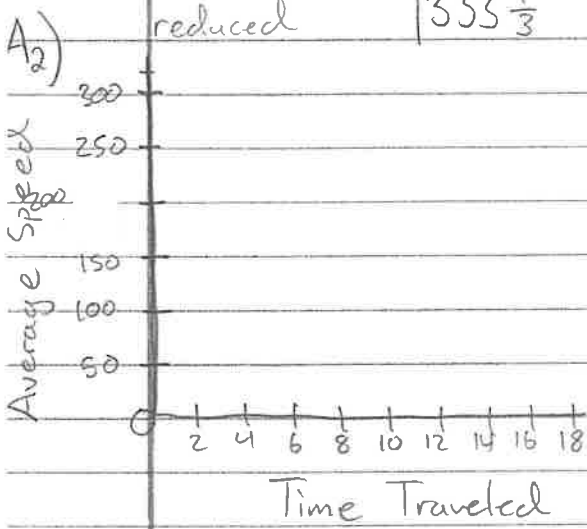
h

Length

3.2A+B



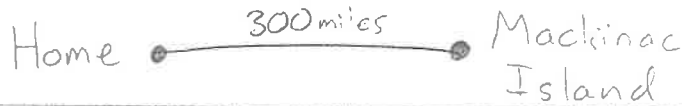
A1)	Date	02/15	05/22	07/03	11/23	12/23
	Travel Time (hr)	1.5	10	14	4	18
	Average Speed $\frac{mi}{hr}$	$\frac{500}{1.5}$				
A2)	reduced	$333\frac{1}{3}$				



As time increases, the average speed...

A3) $t =$ $s \cdot t =$ $s =$

A4) The relationship between time and distance is...

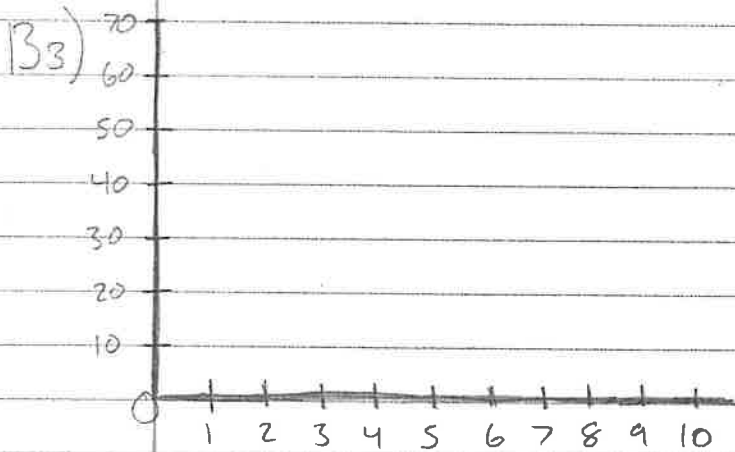


B₁)

Average Speed	30	40	50	60	70
Travel Time	10	7.5	6	5	4.3

As average speed increases, travel time...

B₂) $t =$ $s \cdot t =$ $s =$



In the graph, as Travel time increase the graph line...

B₄) The relationship between travel time and average speed is...

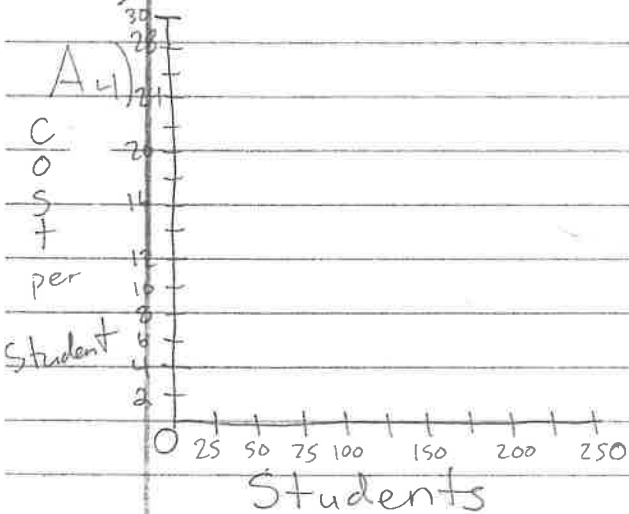
3.3 A, B, D

\$750 to rent the center facilities.
 \$3 student fee if all 250 students go.

A1) # of students	25	50	75	100	125	150	175	200	250
Cost per Student	30	15							3

A2) As the number of students increases,

A3) C =



B1

- | | | |
|------------------|-------------------|-------------------|
| a) 10 students = | b) 100 students = | c) 200 students = |
| 20 students = | 110 students = | 210 students = |
| cost change = | cost change = | cost change = |

B2) The function is/not linear because...

B3) When students decrease by 10 students, it does/not cause an equal decrease in costs.

D₁) A =

D₂)

C
O
S
T

Students

D₃) The graph shows a relationship
by...

3.4 A-D

Length	Weight	K
4	41	
6	26	
8	19	
9	17	
10	15	150

A) The table suggests an inverse variation relationship...

The graph suggests an inverse variation relationship...

B) $K =$ $\frac{K}{4} =$ $\frac{K}{6} =$

C) $w \cdot L =$

D) $\frac{K}{3} =$

$\frac{K}{5} =$

$\frac{K}{7} =$

$\frac{K}{11} =$

