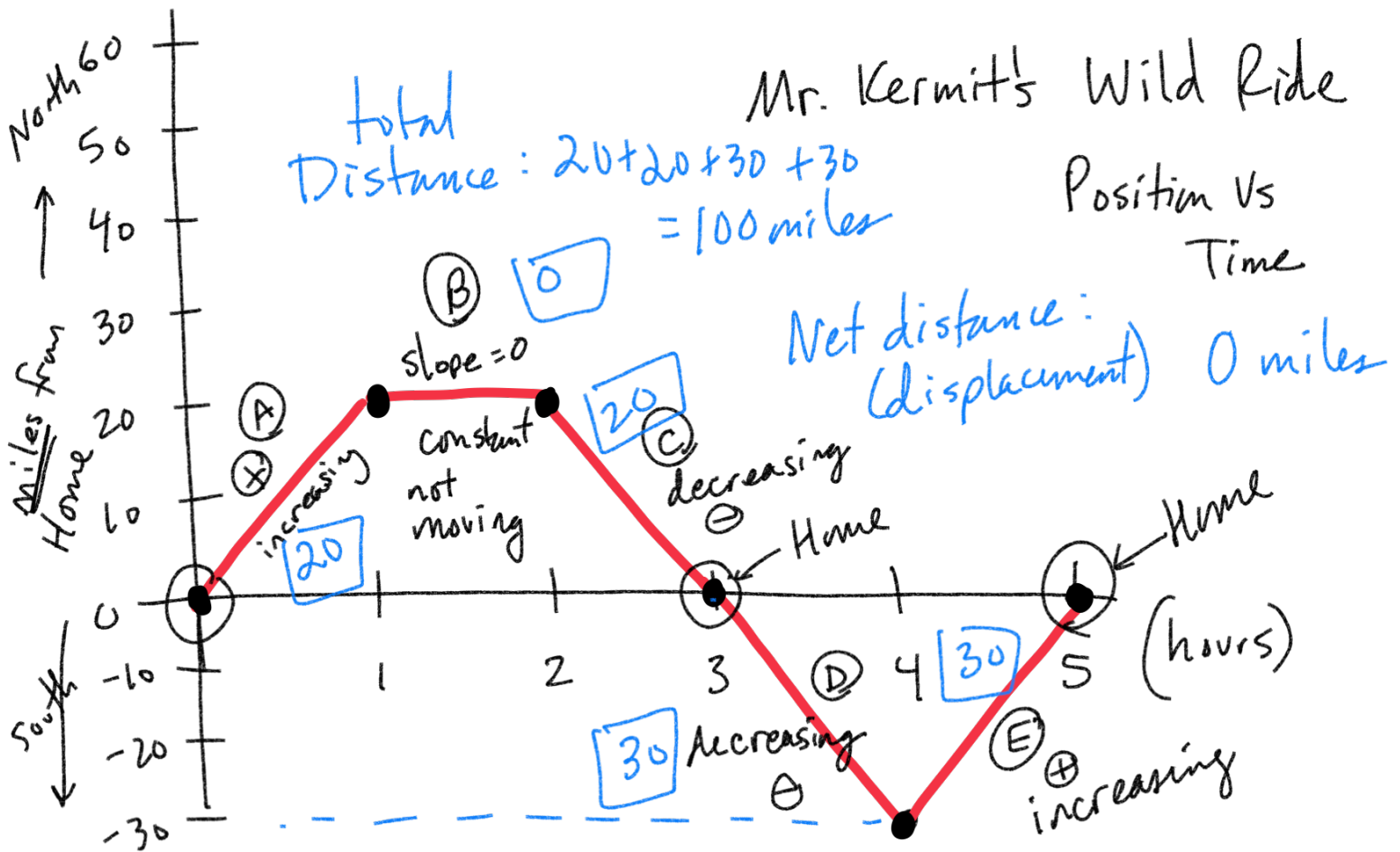
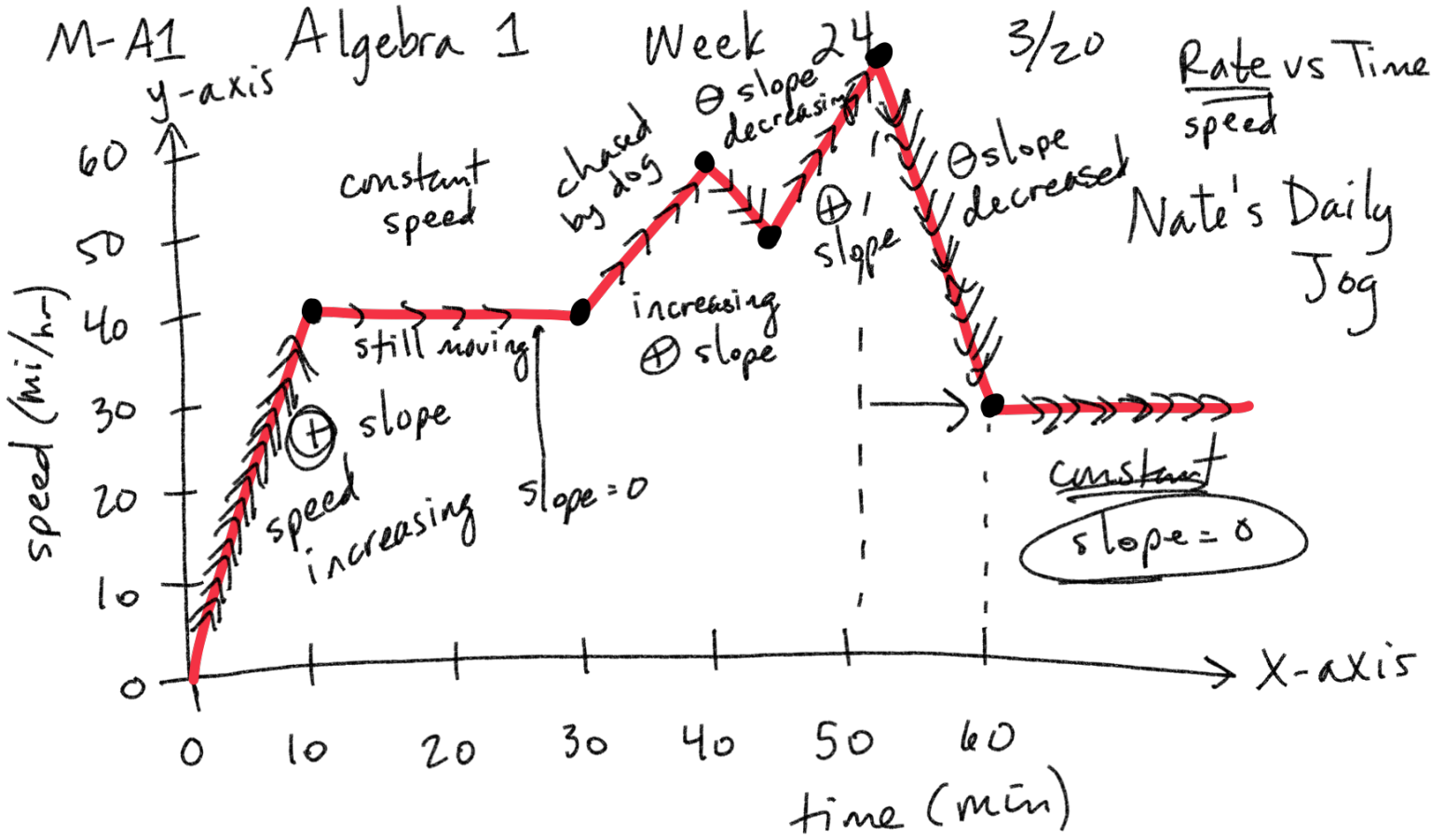


M-A1 Algebra 1



Input/output Functions

Functions \rightarrow Predictable

input	output
1	\$6
2	\$12
5	\$30
30	\$180

Not a function

Every one input must have one - and only one - output

Buffet

# of plates	\$\$
1	\$10
2	
5	
128	

Function

①

in	out
X	y
1	2
3	8
4	

function

②

in	out
X	y
0	4
2	8
	10

not function

Ordered pairs (x, y) $x \rightarrow$ input $y \rightarrow$ output

1.) $(1, 3), (2, 4), (3, 5), (4, 5)$ function

2.) $(2, 7), (3, 9), (3, 12), (5, 12)$ not function

$\{(2, 8), (3, 12), (4, 16), (6, 22)\}$

Domain \rightarrow all inputs \rightarrow all x values

$\{2, 3, 4, 6\}$

Range \rightarrow all outputs \rightarrow all y values

$\{8, 12, 16, 22\}$

Vertical Line Test

