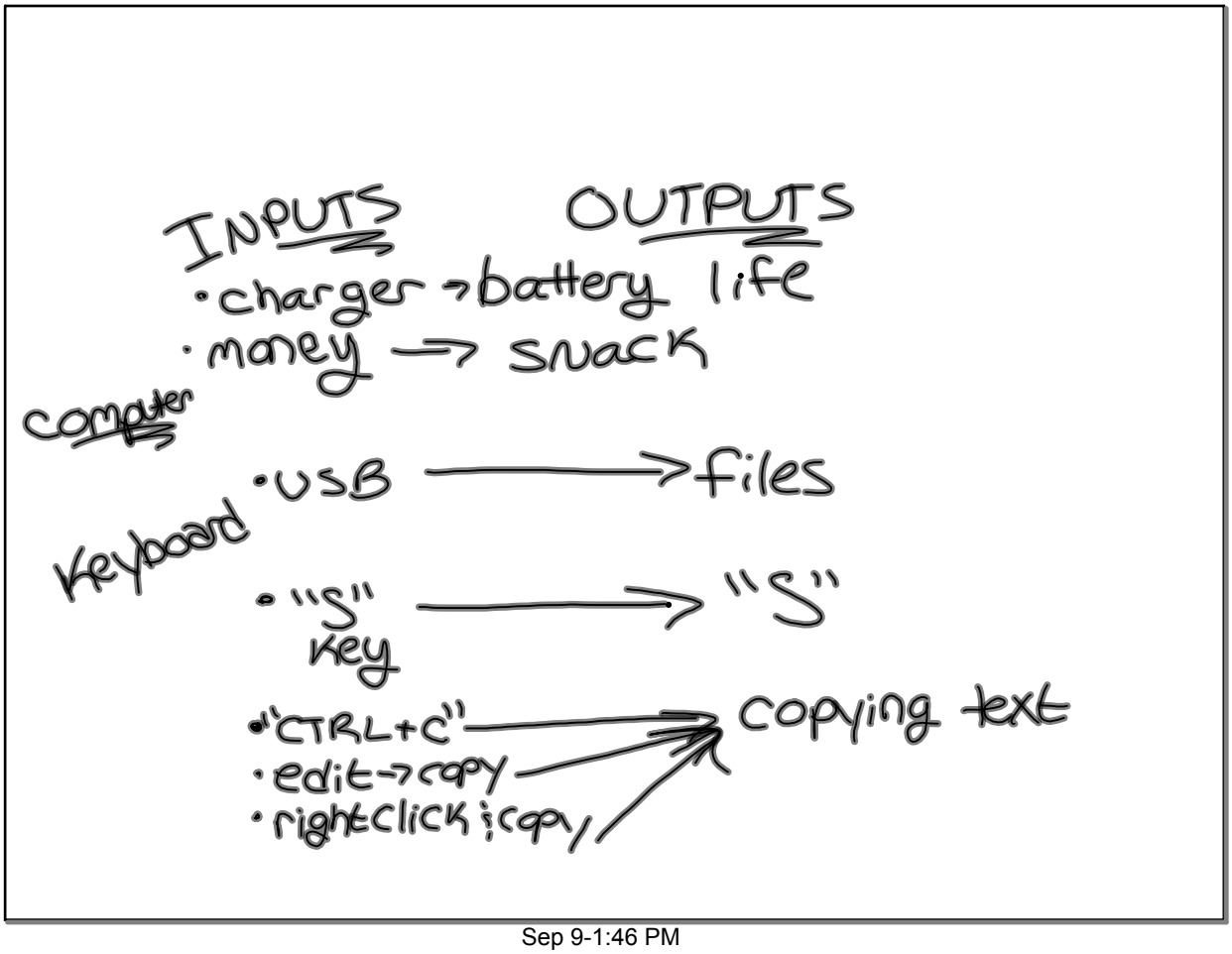


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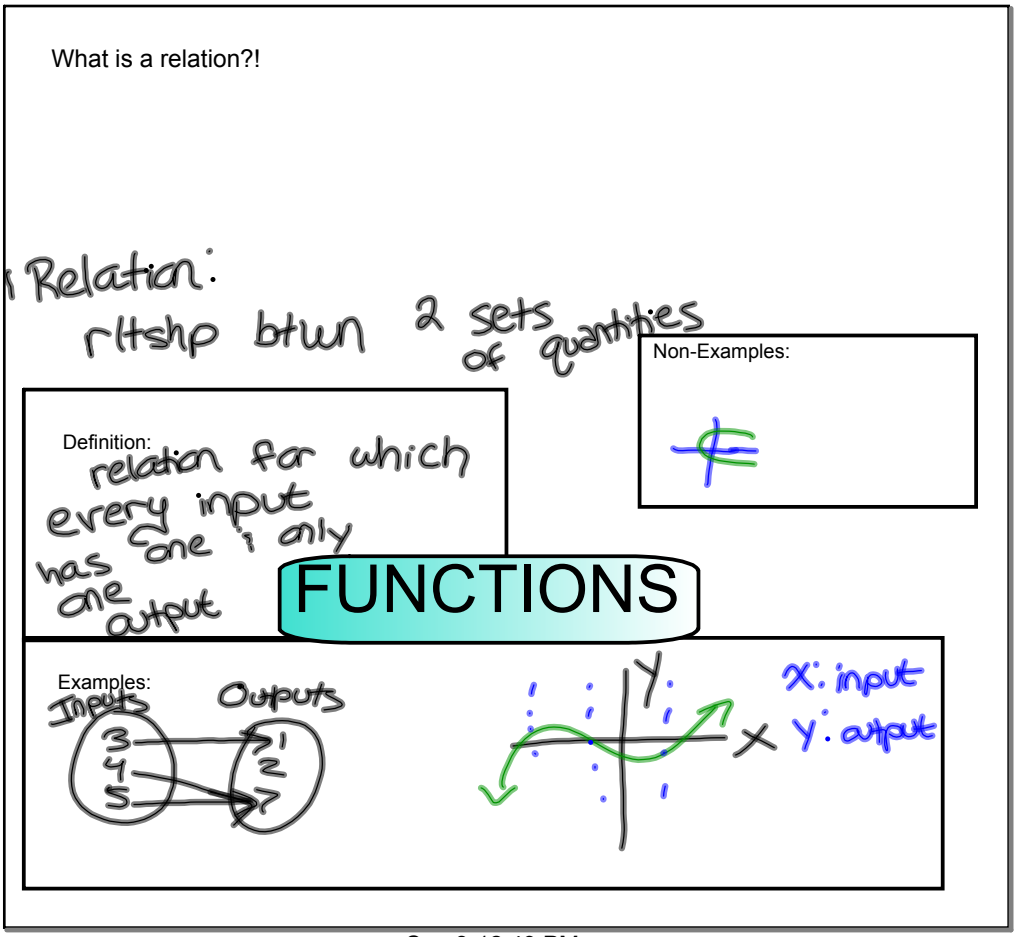


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Name _____ Date _____

A RELATION is a set of ordered pairs. Example {(2, 5), (0, -1), (-3, 10), (8, 6)}

The DOMAIN (X) is the 1st set of coordinates in an ordered pair. Example (X, __ )

The RANGE (Y) is the second set of coordinates in an order pair. Example ( ___ , Y)

A function is _____

State the domain and range of each relation. Then determine if each relation is a function. If not, state why it is not a function.

a. {(2, 3), (3, 0), (5, 2), (4, 3)}

Circle one:

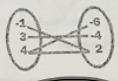
Function  Not a Function

Explain: every input maps to exactly one output

Domain: _____

Range: _____


b.




Circle one:

Function  Not a Function

Explain: 4 maps to -6 and 2 one input cannot have more than 1 output

Domain: _____

Range: _____

c.

Giraffes

| Age (years) | Height (meters) |
|---|---|
| 18 | 4.25 |
| 20 | 4.40 |
| 21 | 5.25 |
| 14 | 5.00 |
| 18 | 4.85 |

Circle one:

Function  Not a Function

Explain: 18 maps to 2 different heights

Domain: _____

Range: _____

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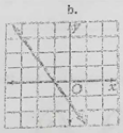
Determining whether a graph is a function can be done by _____

Determine if each relation is a function. If not, state why it is not a function.

a.




Circle one:

Function  Not a Function

Explain: passes VLT

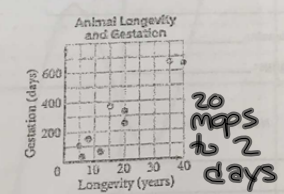
b.


Circle one:

Function  Not a Function

Explain: fails VLT some xs have 2 ys

c.

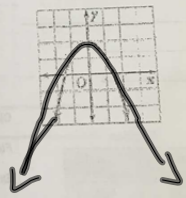



Circle one:

Function  Not a Function

Explain: _____

d.




Circle one:

Function  Not a Function

Explain: passes VLT

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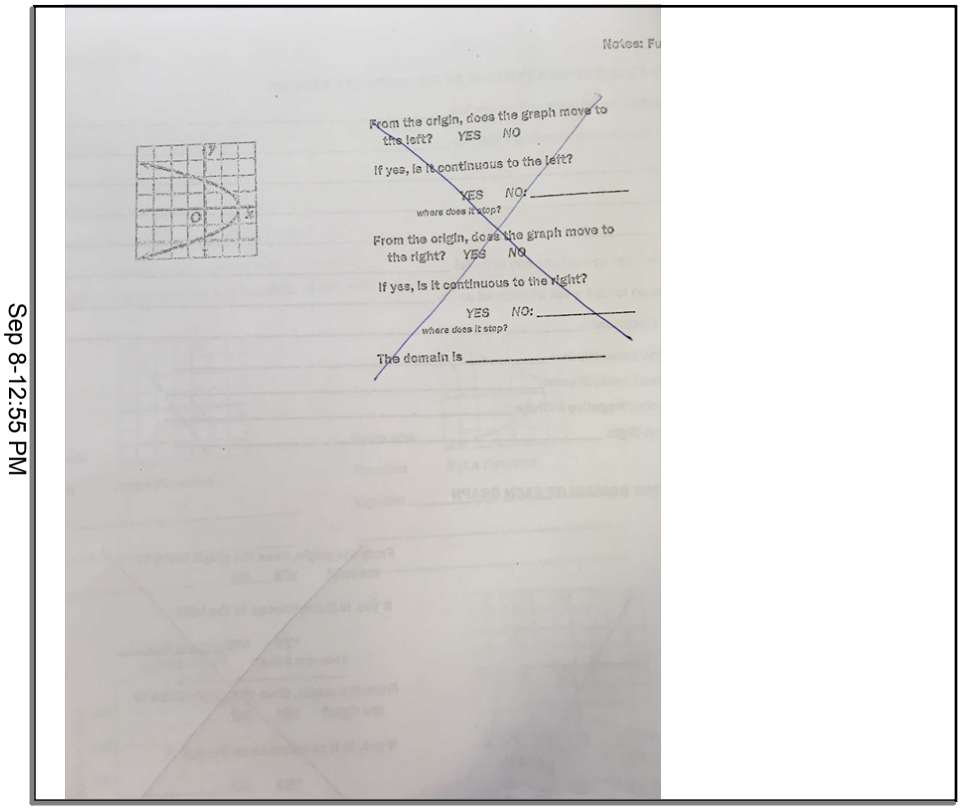


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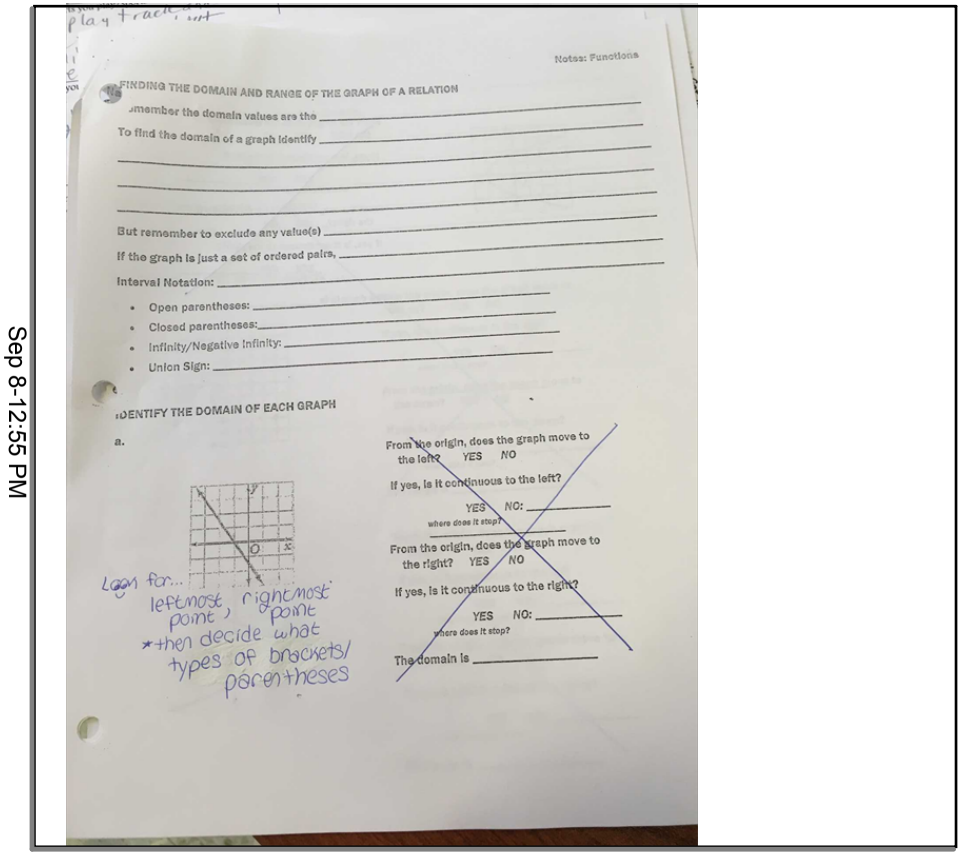

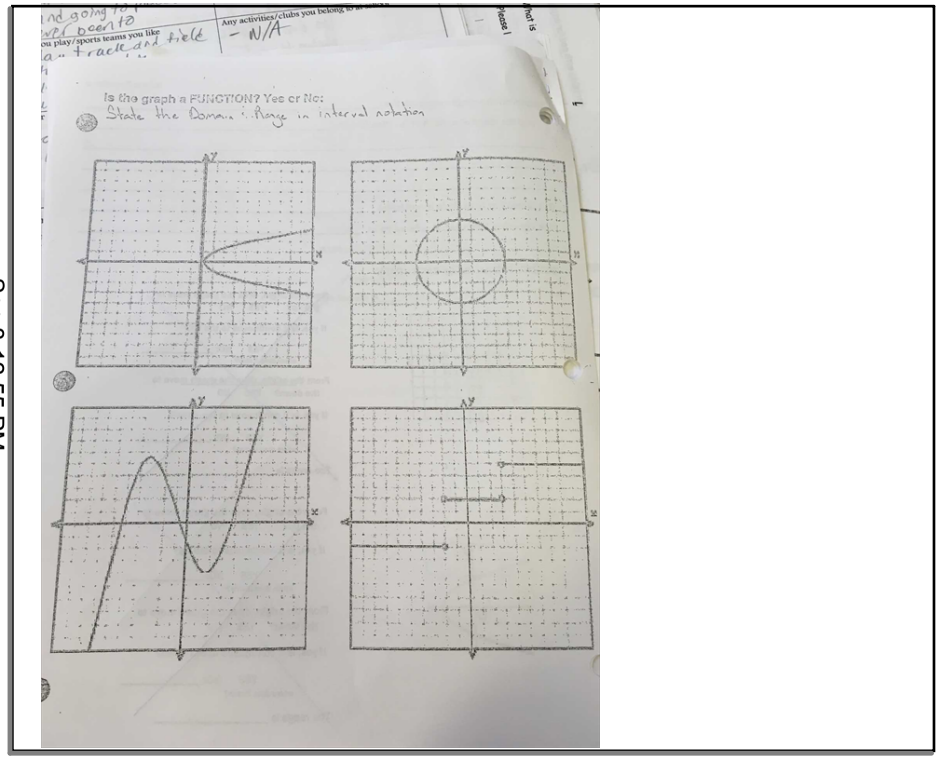


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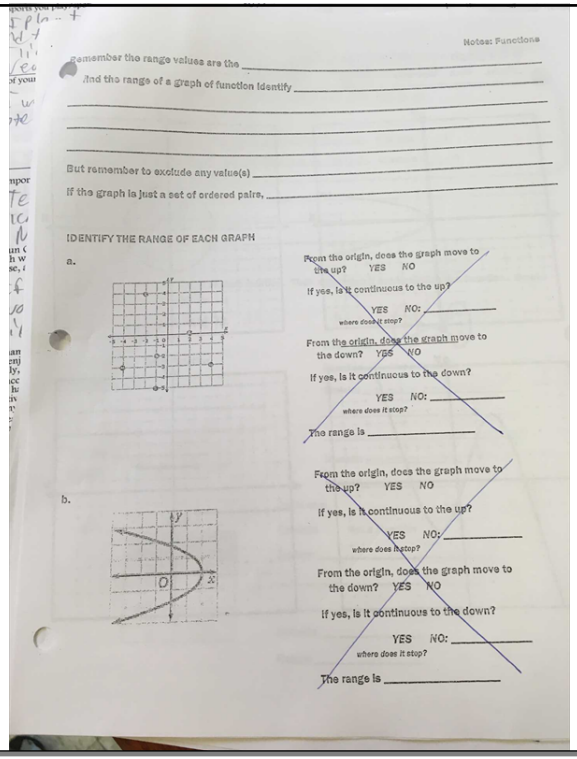


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