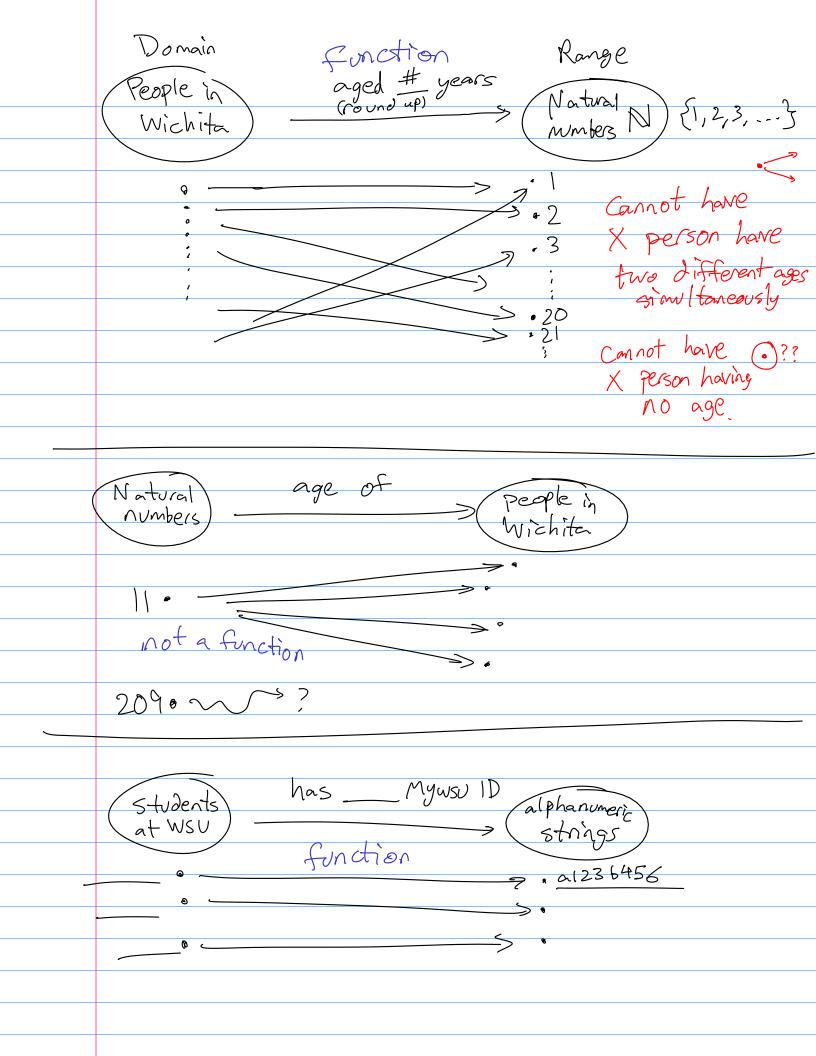
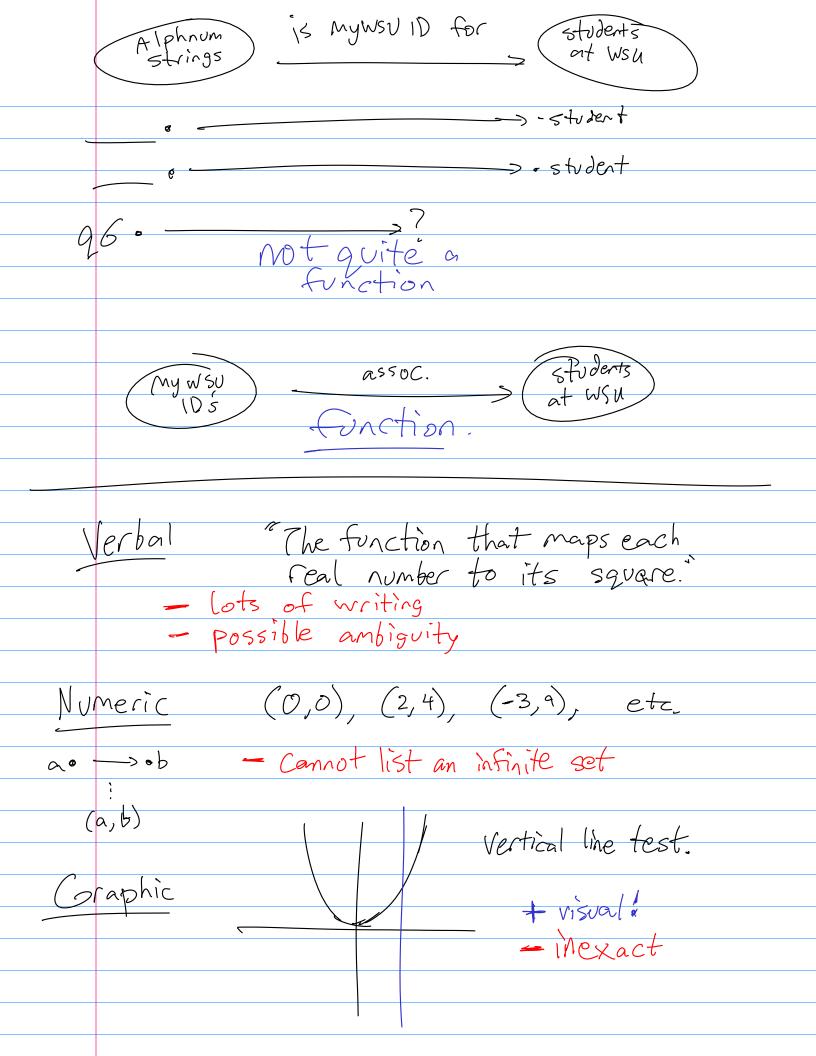
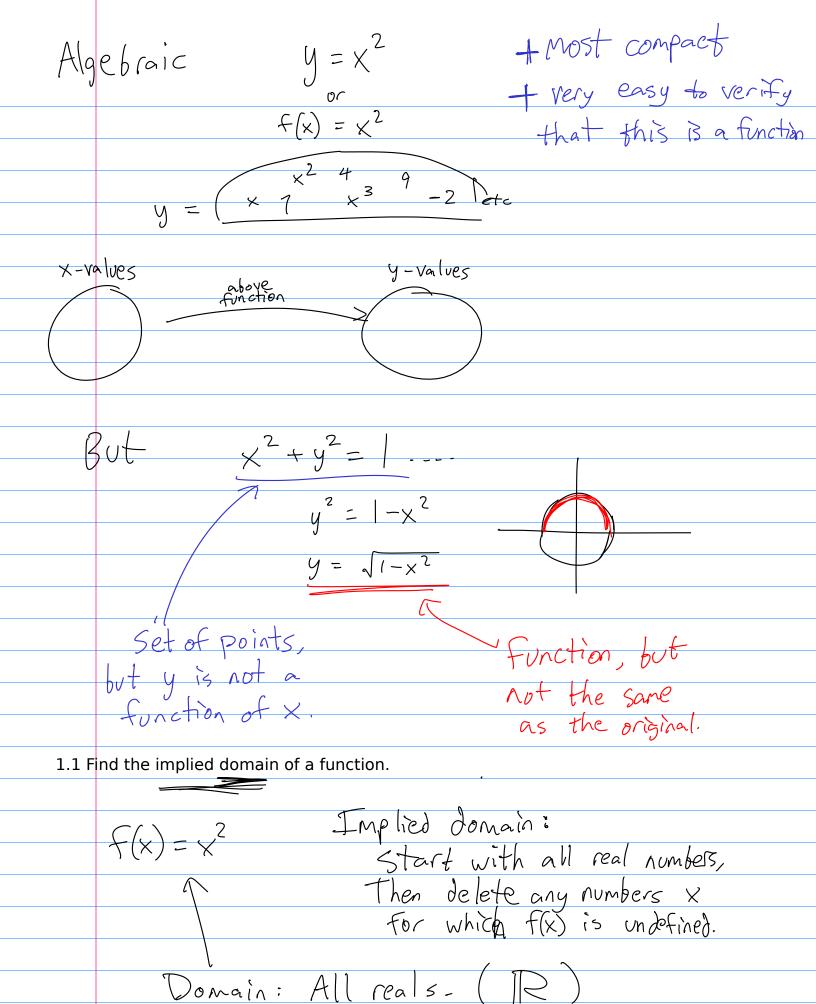
1.1 Determine whether a relation (verbal, numeric, visual, algebraic) is a function-Relation has visited oun tries Domain Function currently living in countries function is a relation from a set D (the domain) a set R (the range) such that:

every element of D is mapped to exactly one element of R not a function. Sunction function = Living in 0?







For values:

$$\frac{7x}{x^2-9} + 3$$

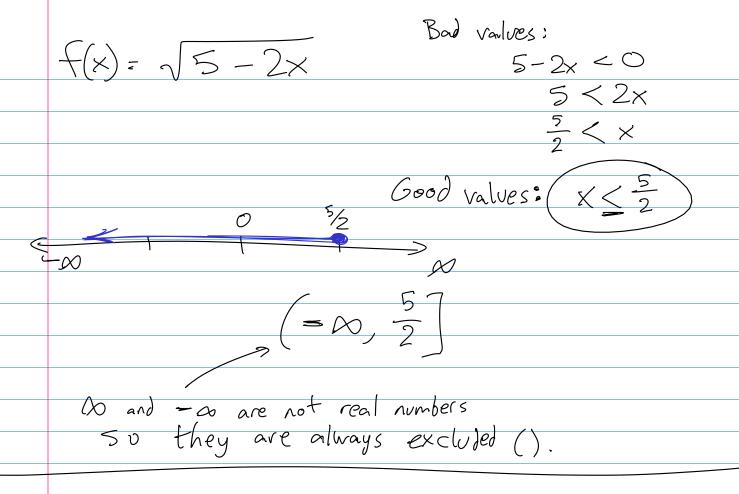
$$(x+3)(x-3) + 10w to express the good Values (Domain)?

Set notation: $\{x \in \mathbb{R} \mid x \neq 3, -3\}$

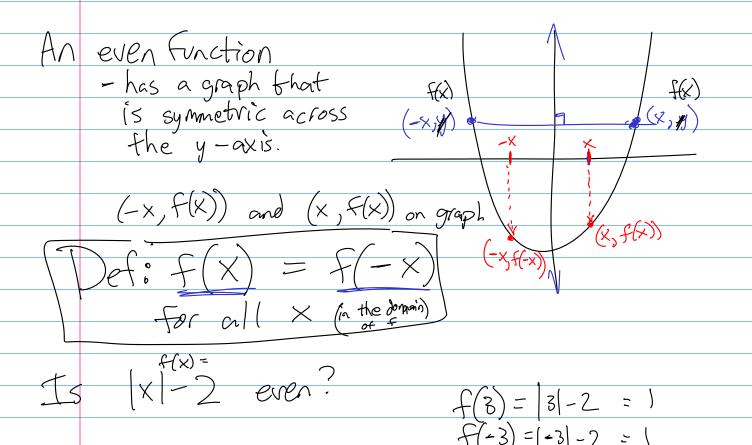
All x in real such condition(s)

Number line:

$$\frac{3}{2} + \frac{3}{2} + \frac{3}{$$$$



1.1 Determine whether a function is even, odd, or neither.



a few examples are not enough!

an arbitrary real number.
$$f(a) = f(-a)?$$

$$|a| - 2 \qquad |-a| - 2 \qquad by a property$$

$$= |a| - 2 \qquad of absolute value$$
Therefore f is even.

$$|a| - 2 \qquad |-a| - 2 \qquad by a property$$

$$= |a| - 2 \qquad of absolute value$$
Therefore f is even.

$$|a| - 2 \qquad |-a| - 2 \qquad by a property$$

$$|a| - 2 \qquad |a| - 2 \qquad of absolute value$$

$$|a| - 2 \qquad |a| - 2 \qquad of absolute value$$

$$|a| - 2 \qquad |a| - 2 \qquad of absolute value$$

$$|a| - 2 \qquad |a| - 2 \qquad of absolute value$$

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$$|a| - 2 \qquad |a| - 2 \qquad of absolute value$$

$$|a| - 2 \qquad |a| - 2 \qquad of absolute value$$

$$|a| - 2 \qquad |a| - 2 \qquad of absolute value$$

$$|a| - 3 \qquad |a| - 4 \qquad$$