## Function Notation

Treat f(x)=y aka solve for x disregard f(x) then plug into y (3.3)

Slope intercept form etc also applies tooo

**f(x)=-2x**

f(x) = -2(0)

'plug in a rando #'

*you plugged in 0 for x so x=0, the answer you got was 0 so y=0*

## Solutions

No solution: answer is different numbers or letters

Infinitely Many solutions: Both sides of equation are identical

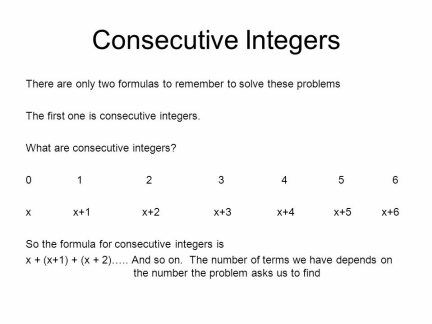
## Linear inequalities

Infinity always has parenthesis

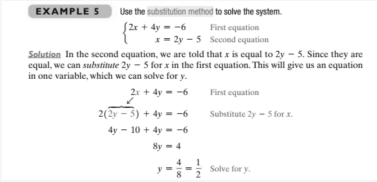
brackets apply to the greater/less than or equal to sign and

when you divide a negative inequality term, you swap the >,< etc.

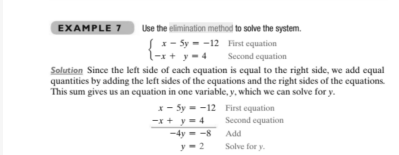
## Consecutive Integers




## Substitution Method




## Elimination method




## Graphing formulas

| | |
|---|---|
| **Point Slope** | y-y1=m(x-x(1)) |
| **Slope intercept** | y=mx+b |
| **Standard** | Ax+By=C |
| **Slope Formula** | y-y(1) over x-x(1) |

*when in doubt make a table*

## Function

For each x there is exactly one y in the range

## Lines

| | |
|---|---|
| **Parallel** | Same slope |
| **Perpen-dicular** | Slope is a negative reciprocal of the other line |

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