Math M03 quiz 1 Cheat Sheet

by Berger42 via cheatography.com/77212/cs/18948/

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

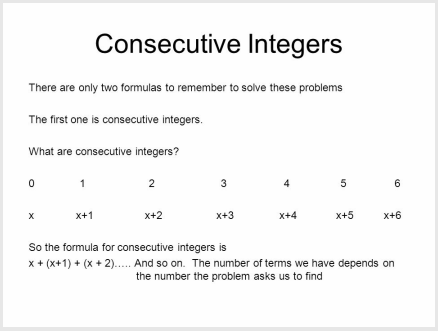
Linear inequalities

Infinity always has parenthesis

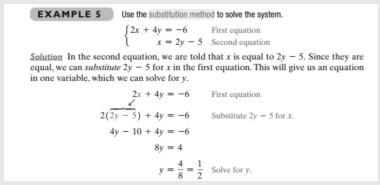
brackets apply to the greater/less than or equal to sign and

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

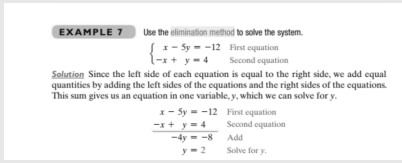
Consecutive Integers



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
Perpendicular	Slope is a negative reciprocal of the other line

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