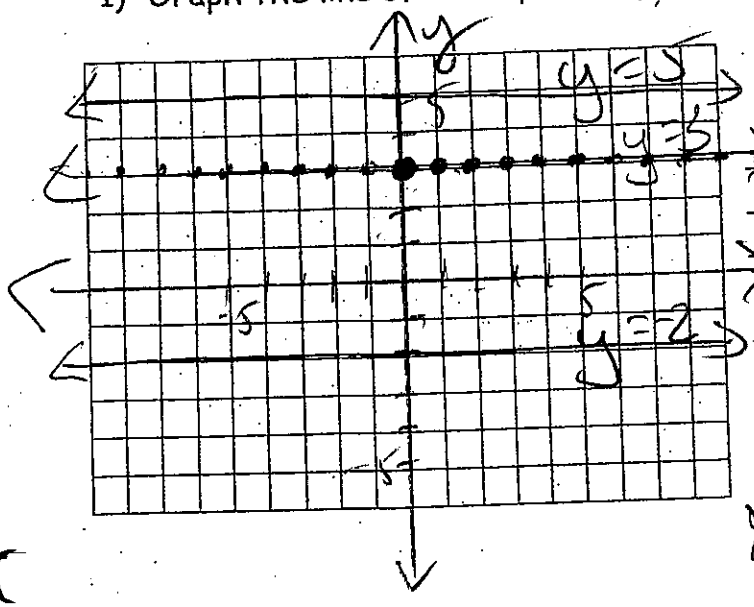
Name
Date Key

Do Now

slope
$y = mx + b$ $y = mx + b$

$\frac{\text{rise}}{\text{run}} = \frac{0}{1}$

1) Graph the line of the equation y = 3



m: 0
B: 3

$y = 0x + 3$
$y = 0 + 3$
$y = 3$

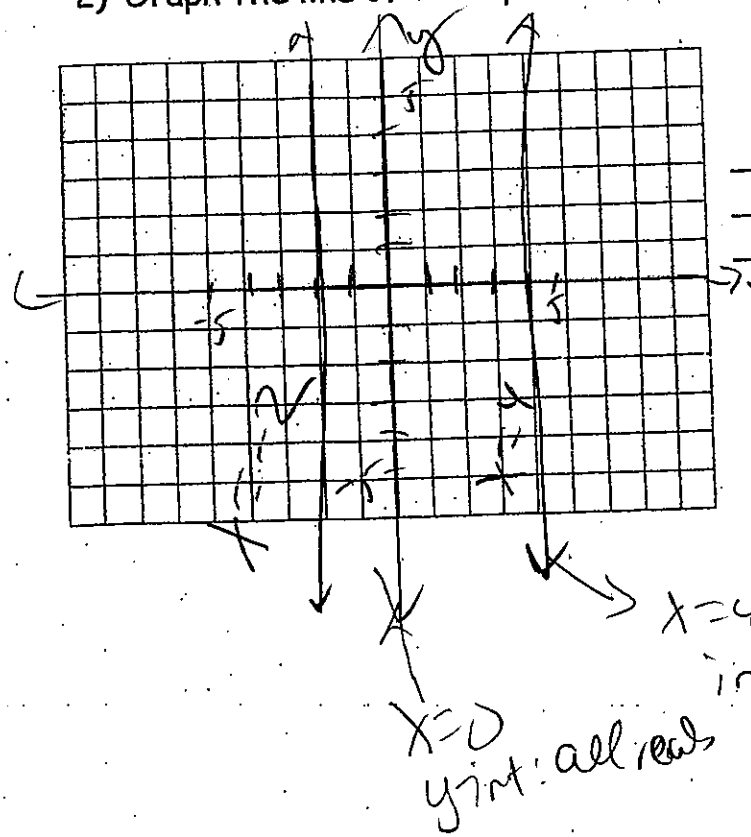
Notes:

Any horizontal line has an equation of y = #

y = 3 B/c the line intersects the y-axis at 3.

y-int: all reals

2) Graph the line of the equation x = 4



Notes:

Any vertical line has an equation of x = #

x = 4
m: undefined $\frac{\text{rise}}{\text{run}} = \frac{1}{0}$
B: No y-int

x = 4 B/c the line intersects the x-axis at 4

x = 0
y-int: all reals