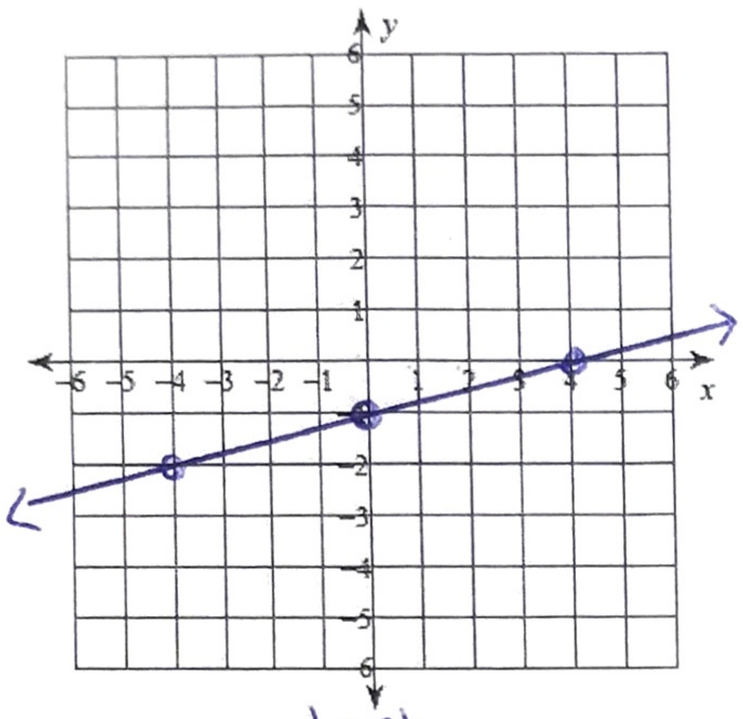
Complete!!!

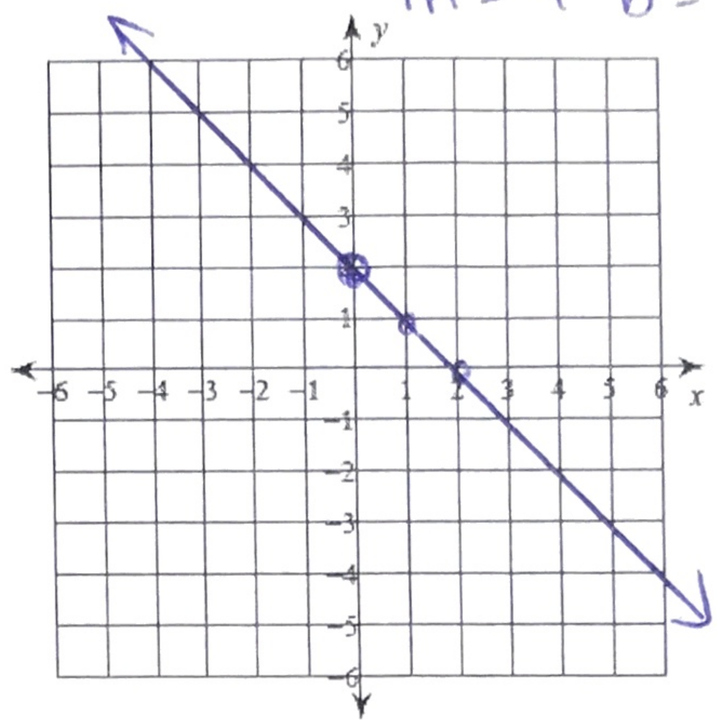
Name: _____ **Date:** _____ **#30 Graphing from slope intercept form** 12

1) $y = \frac{1}{4}x - 1$ m = 1/4 b = -1

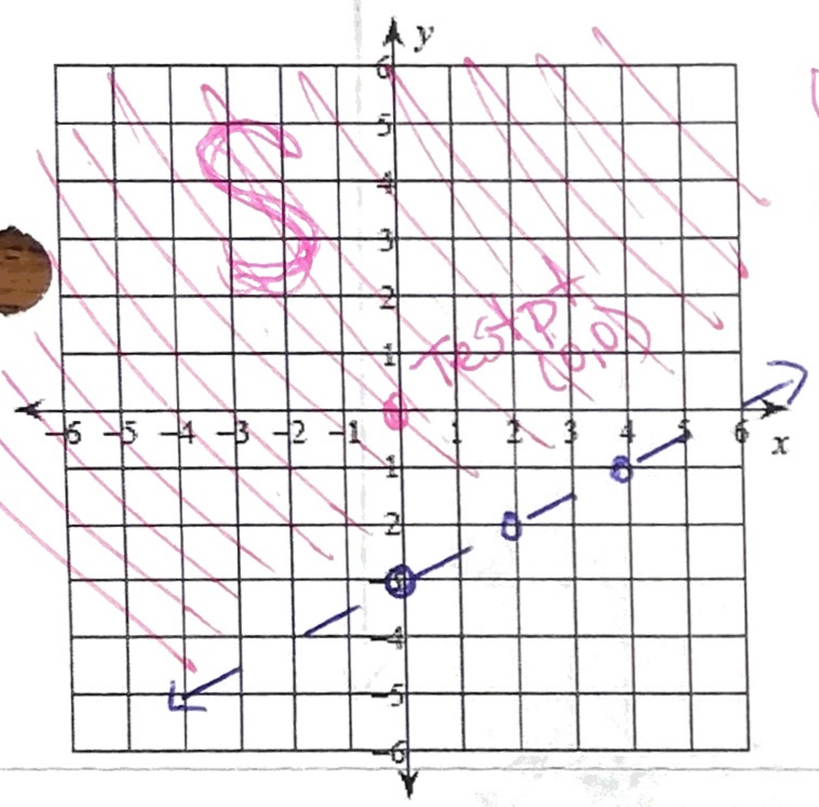


dash

2) $y = -x + 2$ m = -1 b = 2



3) $y > \frac{1}{2}x - 3$ m = 1/2 b = -3



$0 > \frac{1}{2}(0) - 3$

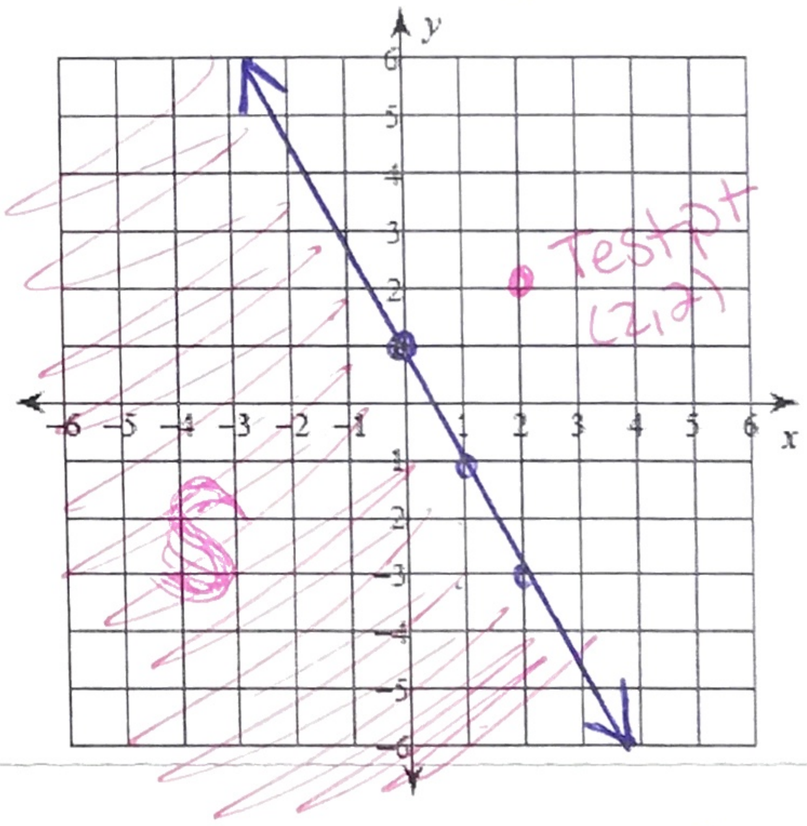
$0 > -3$

True

4*) $-2x + 1 \geq y$ solid $y \leq -2x + 1$

m = -2

b = 1



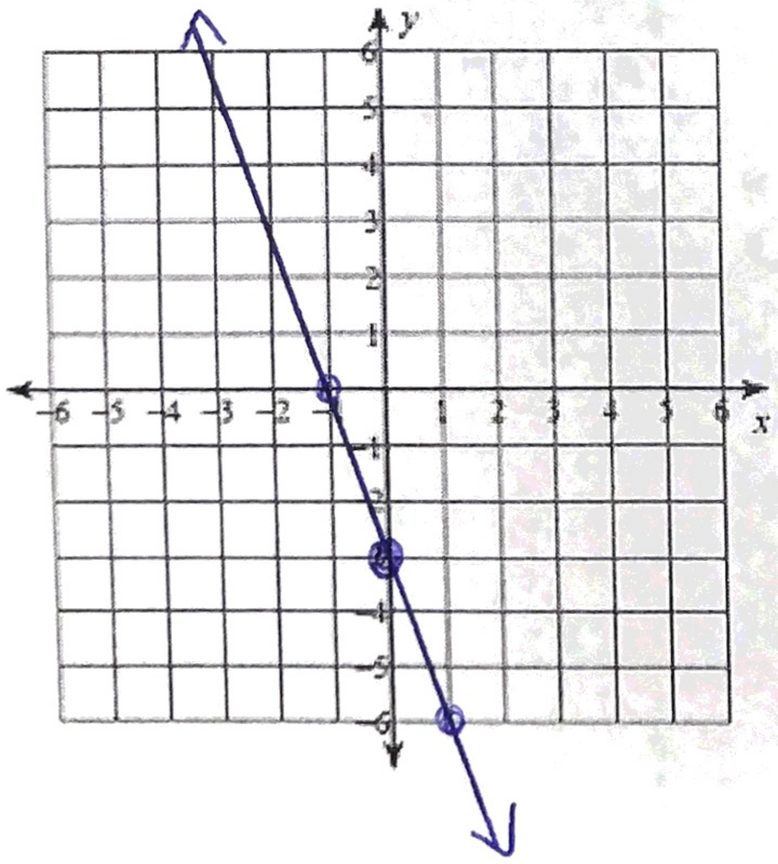
$-2(2) + 1 \geq 2$

$-4 + 1 \geq 2$

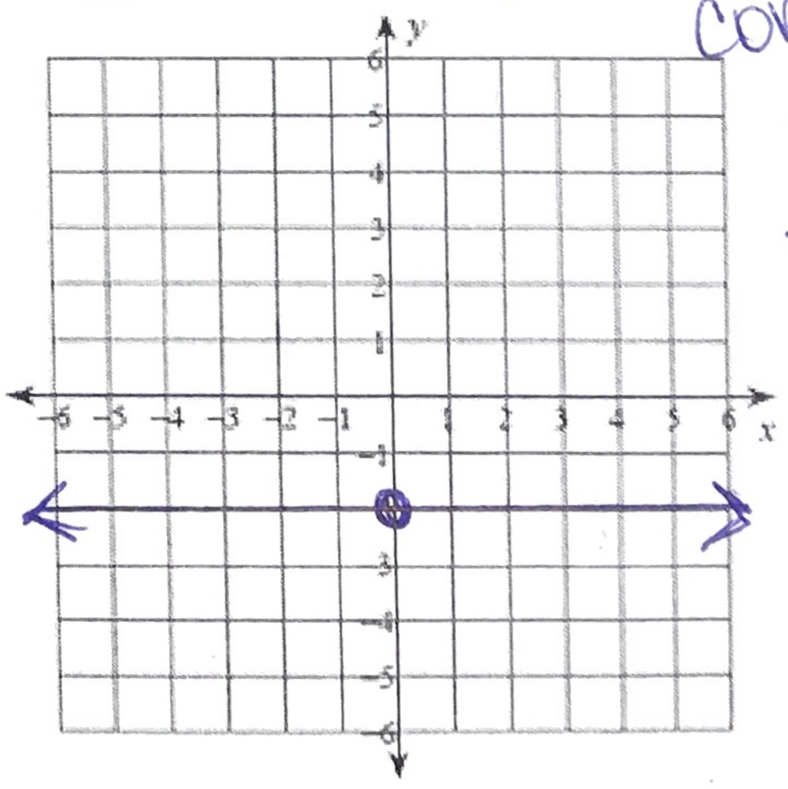
$-3 \geq 2$

False

5) $f(x) = -3x - 3$ m = -3 b = -3



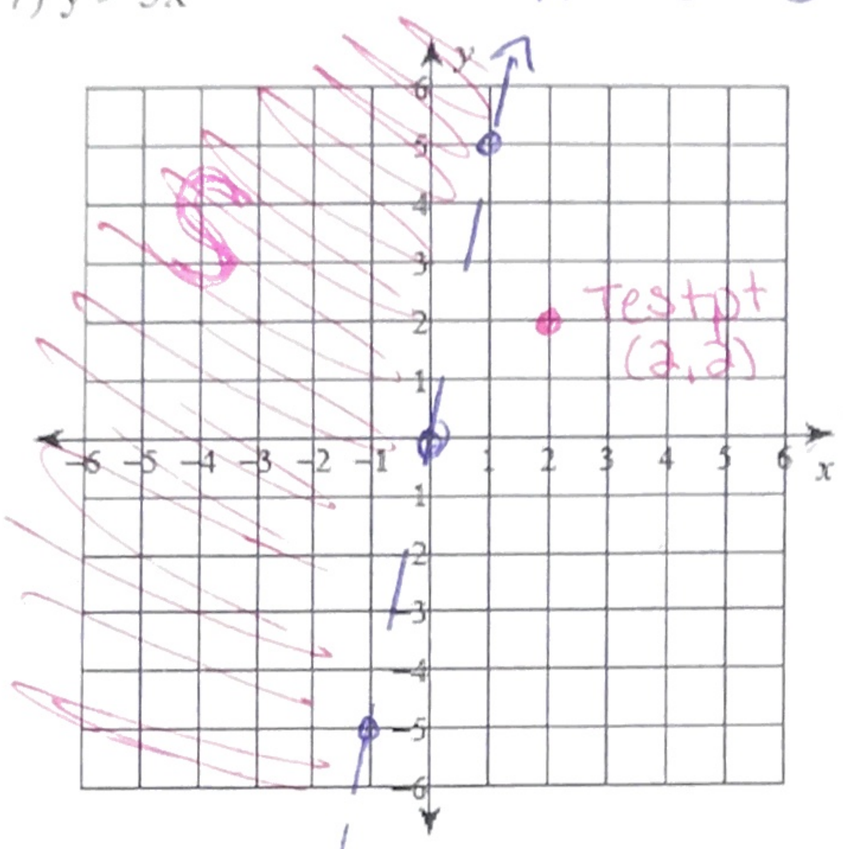
6) $g(x) = -2$ b = -2



constant function horizontal

7) $y > 5x$ ← dash

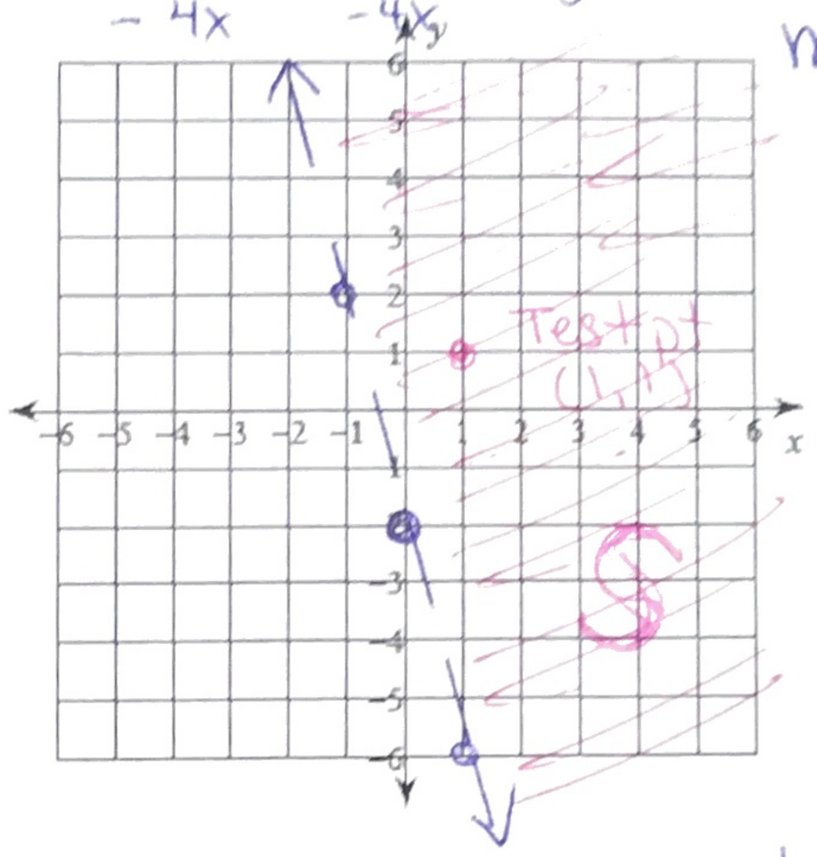
$m = 5 \quad b = 0$



$2 > 5(2)$
$2 > 10$
False

8*) $4x + y > -2$
$-4x \quad -4x$
$y > -4x - 2$ ← dash

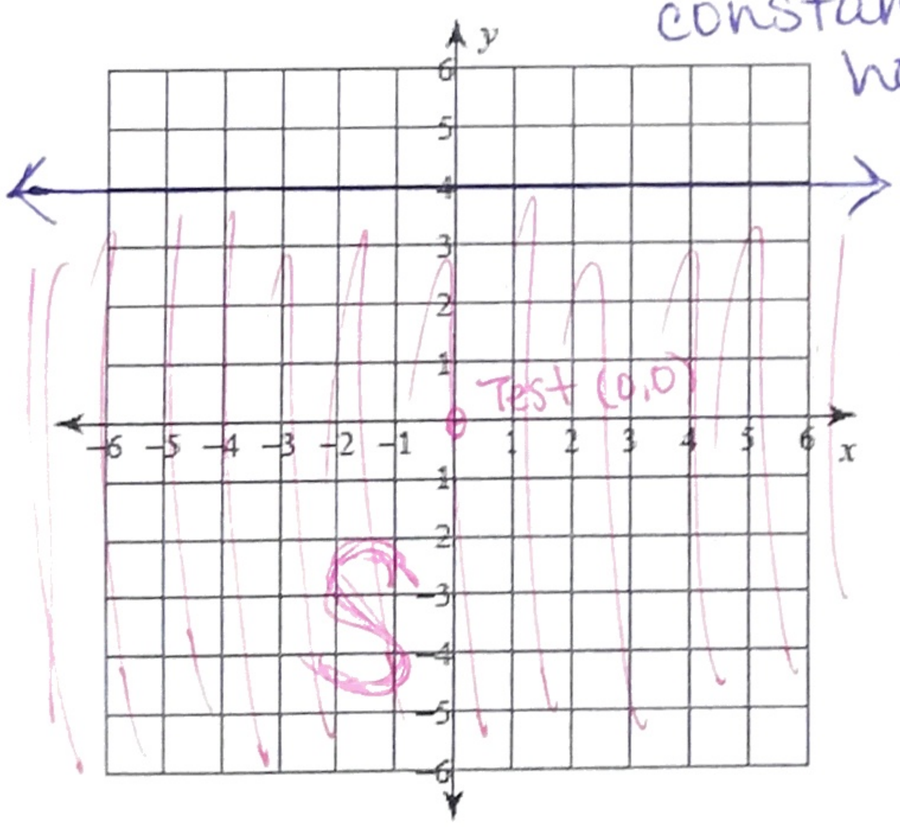
$m = -4$
$b = -2$



$4(1) + 1 > -2$
$4 + 1 > -2$
$5 > -2$
True

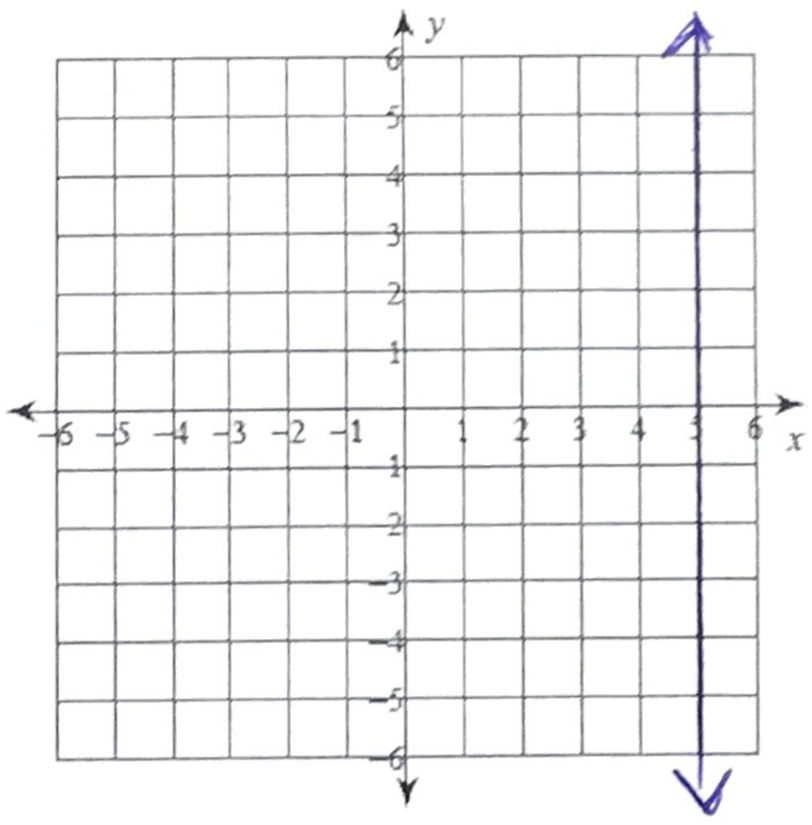
9) $y \leq 4$ ← solid

$m = 0 \quad b = 4$
constant function
horizontal

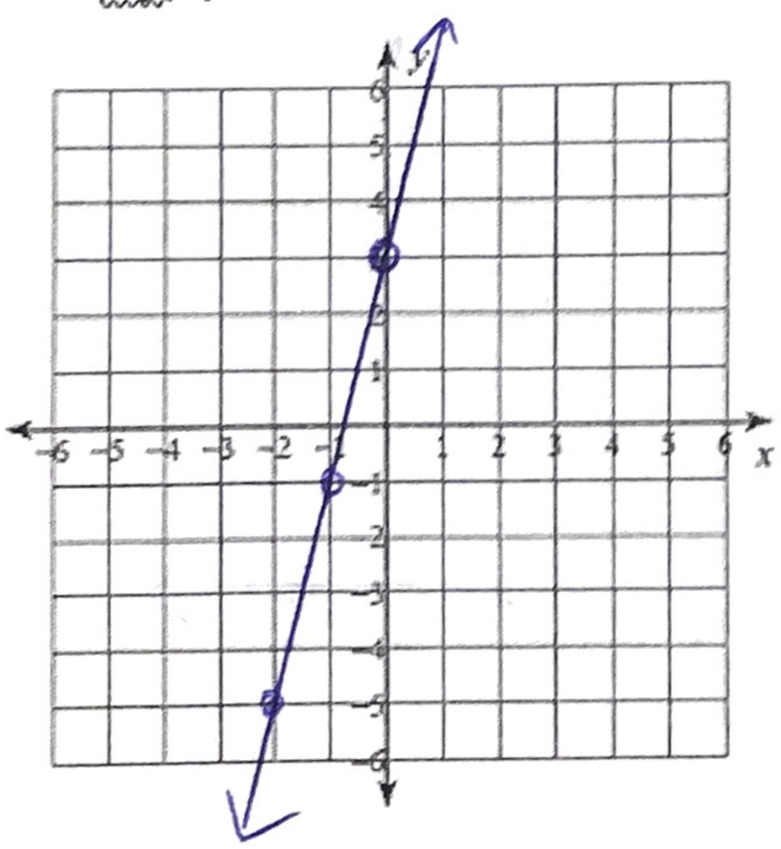


$0 \leq 4$
true

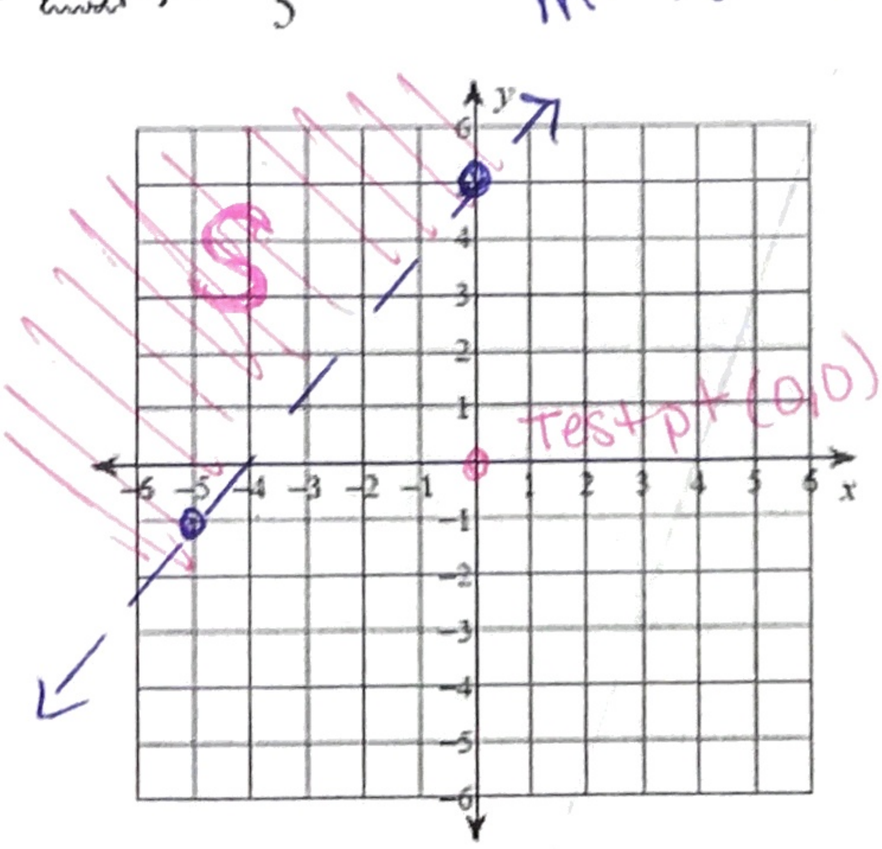
10) $x = 5$ vertical line!



11*) $f(x) = 4x + 3$ $\quad m = 4 \quad b = 3$



12*) $g(x) > \frac{6}{5}x + 5$ ← dash $\quad m = 6/5 \quad b = 5$



$0 > \frac{6}{5}(0) + 5$
$0 > 0 + 5$
$0 > 5$
False