

HLINE ↔ VLINE ↑

5.3 Practice **B** (H&V Lines) ABBREVIATED

Date \_\_\_\_\_ Period \_\_\_\_\_

(1) Find the slope of the line through each pair of points; (2) then state if the line is horizontal, vertical, or neither.

1) (20, 9), (-16, 9)

$$m = \frac{9-9}{-16-20} = \frac{0}{-36}$$

$m=0$   
HLINE

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

OR

$$m = \frac{\Delta y}{\Delta x}$$

2) (18, 2), (18, 5)

$$m = \frac{5-2}{18-18} = \frac{3}{0}$$

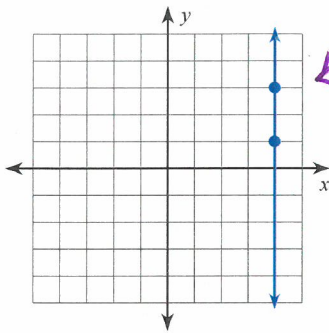
$m = \text{UNDEFINED}$   
VLINE

3) skip

4) skip

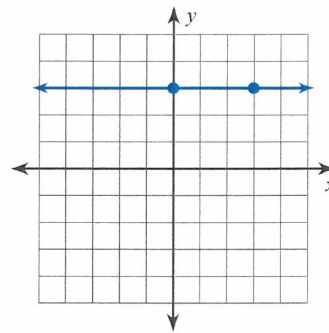
Find the slope of each line. Label with the correct variable notation.

5)



$m = \text{UNDEFINED}$   
Work optional

6)



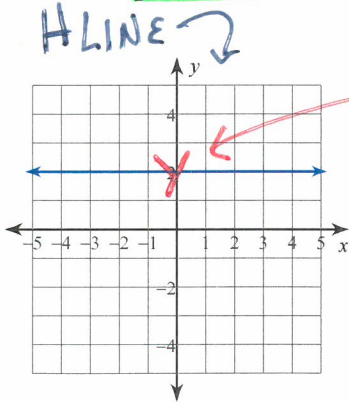
$m = 0$   
Work optional

7) skip

8) skip

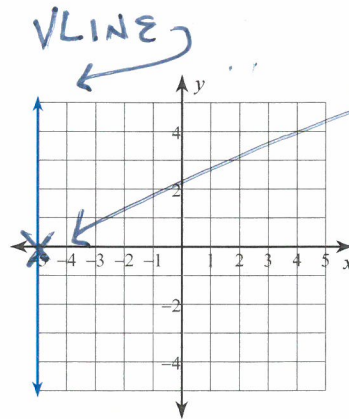
Write the equation of each line.

9)



HLINE  
y-int  
EQ is  $y=2$

10)



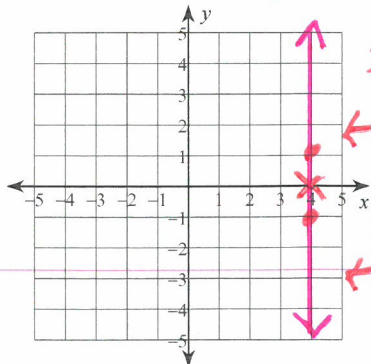
VLINE  
x-int  
EQ is  $x=-5$

Graph each line:

11)  $x = 4$

← 2 WAYS TO GRAPH →

12)  $y = -3$



INTERCEPTS

←  $x:(4,0)$   $y:(0,-3)$  →

CREATE TABLE

x	y
4	-1
4	0
4	1

x	y
-1	-3
0	-3
1	-3

