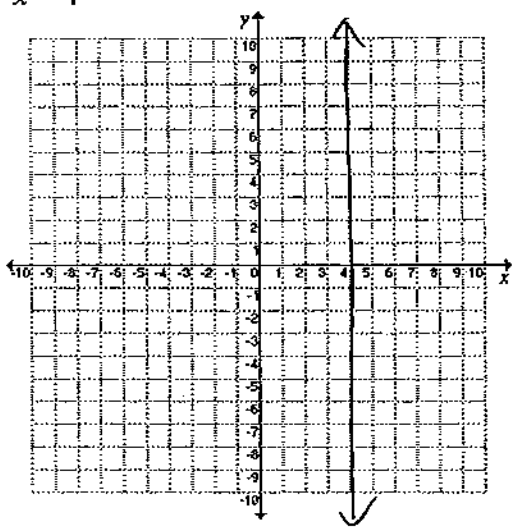
Learning Outcomes Covered:

4D: I can understand the concepts behind horizontal and vertical lines

CONTENT Assessment Questions:

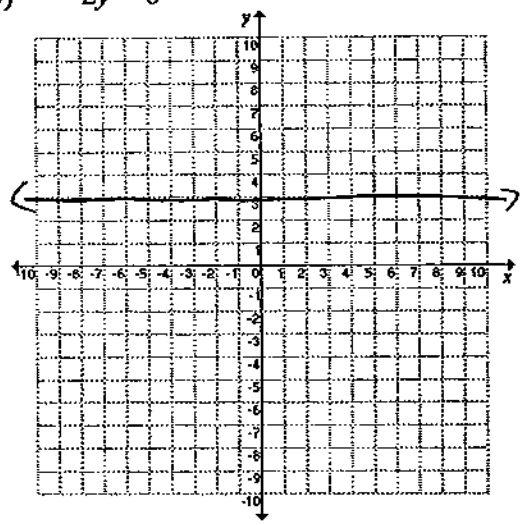
1. Graph each line. You may need to simplify first. Then describe each line.

a) $x = 4$



Vertical line.

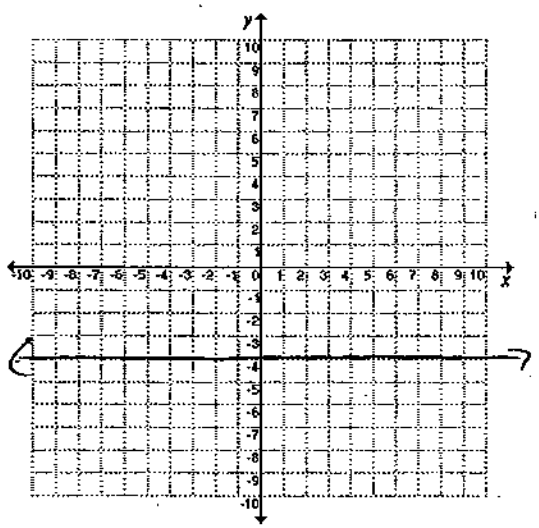
b) $2y = 6 \rightarrow y = 3$.



horizontal line.

c) $y - 2 = -6 \rightarrow y = -4$

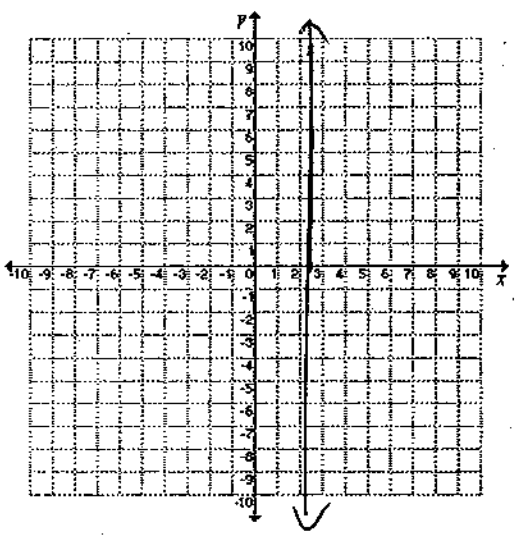
$+2 \quad +2$



Horizontal line.

d) $2x + 3 = 8 \rightarrow \frac{2x}{2} = \frac{5}{2} \rightarrow x = \frac{5}{2}$.

$-3 \quad -3$

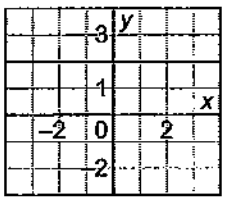


Vertical line.

CURRICULAR COMPETENCIES Questions:

1. Circle the equation below that describes each graph. Explain how you know. (RA)

a)

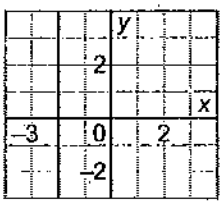


i) $x = 2$

ii) $y = 2$

Horizontal line means $y = 2$ on the entire line.

b)



i) $x = -2$

ii) $y = -2$

Vertical line means $x = -2$ on the entire line.

2. Does each equation describe a vertical, a horizontal, or an oblique (slanted) line? (RA, CmRp) Describe each vertical or horizontal line.

a) $y = 4$

Horizontal line.

b) $2x + 5 = 7$

$-5 \quad -5$

$2x = 2$

$x = 1$

Vertical line.

c) $2x - y = 6$

oblique (slant) line.

d) $3y + 9 = 0$

$-9 \quad -9$

$3y = -9$

$y = -3$

Horizontal line.

ONGOING LEARNING ACTIVITIES:

CORE: Page 178: Curricular Competencies: 5, 8, 13
Content: 6, 7, 8, 12
ADVANCED: Page 179: 11, 18