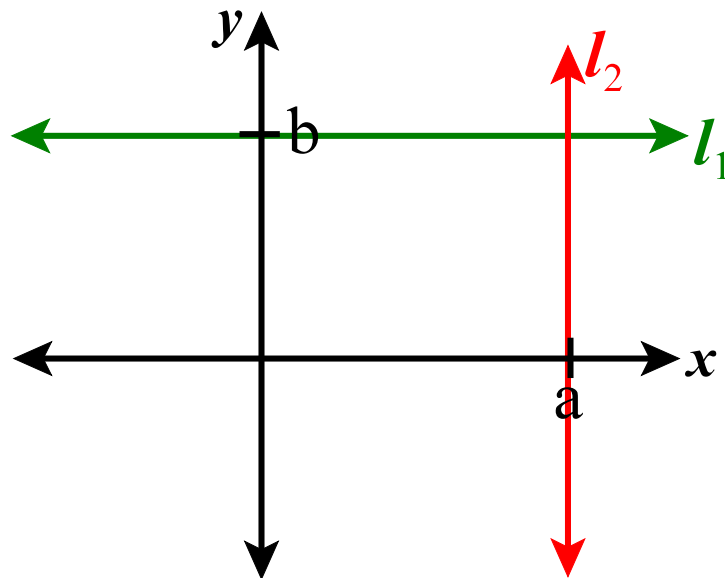


### III. Linear Equation Forms:

1.  $y = mx + b$       slope-intercept form
2.  $Ax + By = C$       standard form

### IV. Examples (p.140): Exercises #28,34,44

### V. Two Anomalous Lines (pp.133-134):



Horizontal line,  $l_1: y = b$   
zero slope ( $m = 0$ )

Vertical line,  $l_2: x = a$   
undefined slope

VI. Examples (p.140): Exercises #50,58,60

HW: p.140 / Exercises #29,31,35,37-45(odd),53, 55,  
59,60

Read section 2.5 (pp.144-150)

## I. 5 Linear Equation Forms (p.146):

1.  $y = mx + b$  slope-intercept form
2.  $Ax + By = C$  standard form
3.  $y = b$  horizontal line form<sup>1</sup> (w/  $m = 0$ )
4.  $x = a$  vertical line form
5.  $y - y_1 = m(x - x_1)$  point-slope form  
 where  $m = \text{slope}$   
 &  $P_1(x_1, y_1)$  is a point on the line

## II. Examples (pp.150-151): Exercises #6,8,10,22

HW: pp.150-151 / Exercises #1-25 (every other odd)