I. Linear Equations –

1. in one variable: $Ax + B = C$

   e.g., $2x + 5 = -7$

   $x = -6$ is the (only) solution

2. in two variables (p.199): $Ax + By = C$

   e.g., $2x + 5y = -7$

   $x = -6$ & $y = 1$ is one solution (of infinitely many)

   This solution may be expressed as the "ordered pair" (-6,1); other solutions include (4,-3), (-11,3), (-3½,0), etc.

II. Examples (p.204): Exercises #2,**4**,8,12,16,26

III. Graphing $Ax + By = C$:

Find and plot enough ordered pair solutions until you recognize the "pattern" (or shape) represented by the plotted points...

IV. Examples (pp.204-205): Exercises #**28**,38

V. Two Anomalous Lines (p.203):

(*i*) Horizontal Line

y-intercept: (0,b)

x-intercept: none

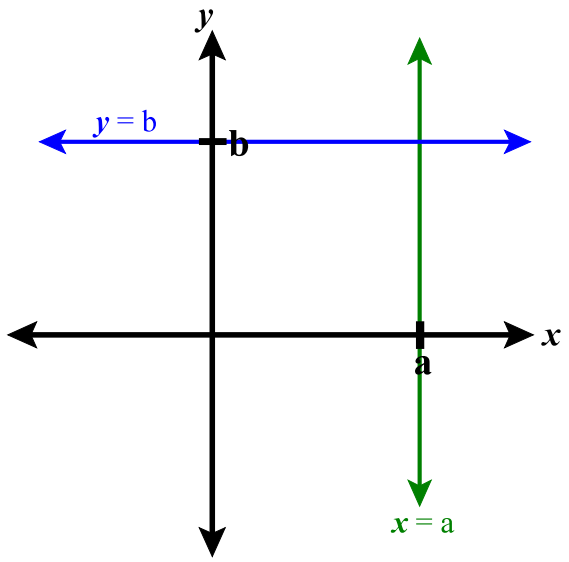
Equation form, $y = b$

(*ii*) Vertical Line

y-intercept: none

x-intercept: (a,0)

Equation form, $x = a$



VI. Examples (p.205): Exercises #58,60

HW: pp.204-206 / #1-35(odd),41,47,53,57-69(odd), 73

Read pp.209-213 (section 3.3)