

# Chapter 3 and 6 Test Review:

## Homework Review - 1.6 and 1.7:

24 5 books  
\$.75 each

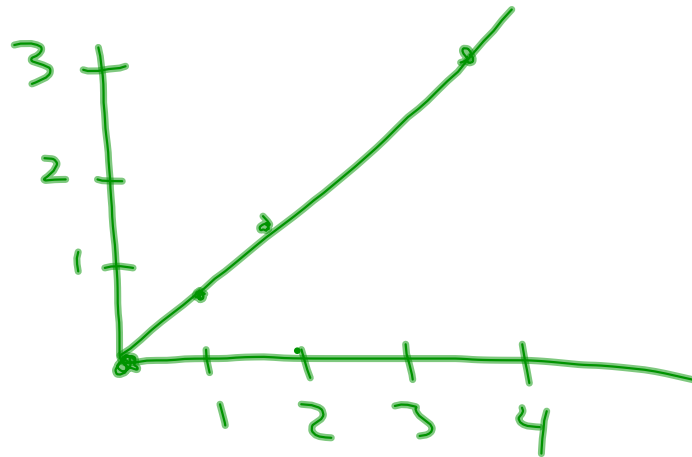
$y = \$$   
 $x = \# \text{ of books}$

a) the money is a function of # books

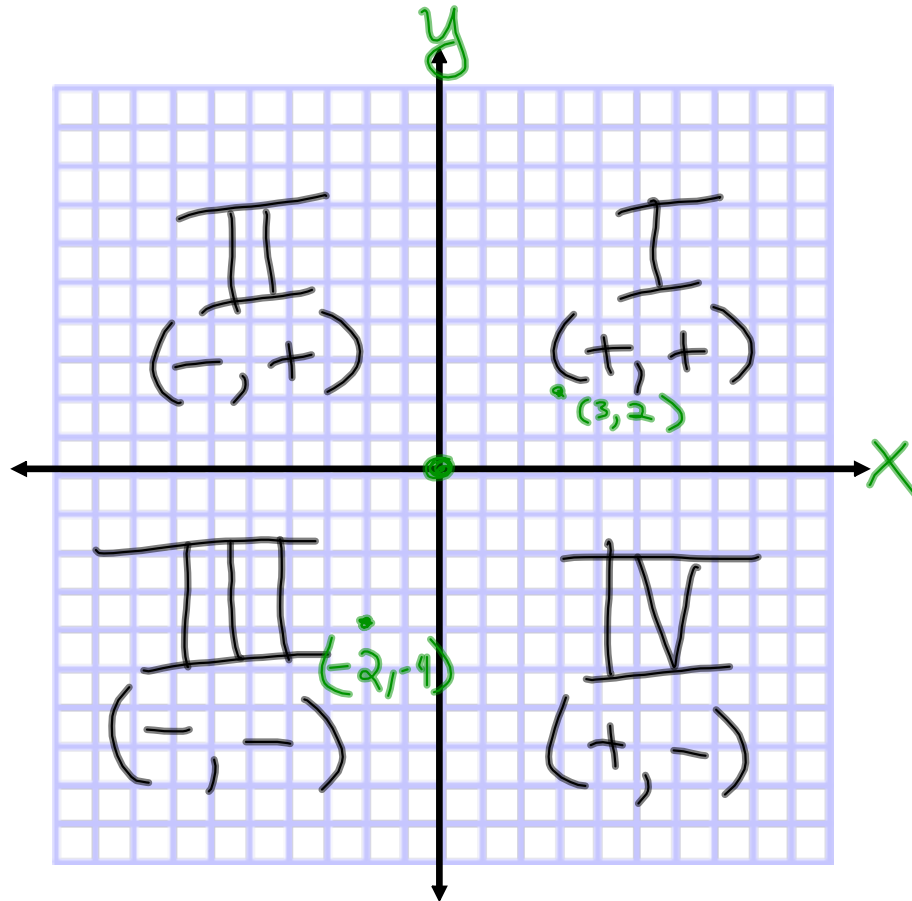
b)  $y = .75x$

c)

x	y
1	.75
2	1.50
4	3.00



# The Coordinate Plane



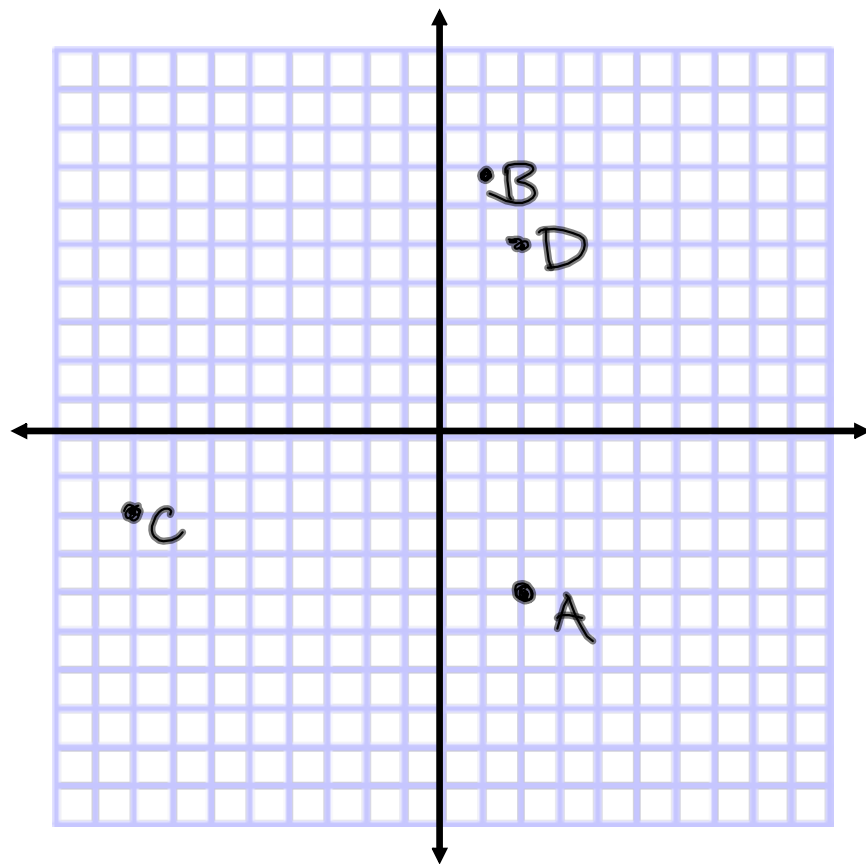
axes —  $x, y$  (main directions)

origin —  $x = 0$   
 $y = 0$

quadrants — 4  
I, II, III, IV

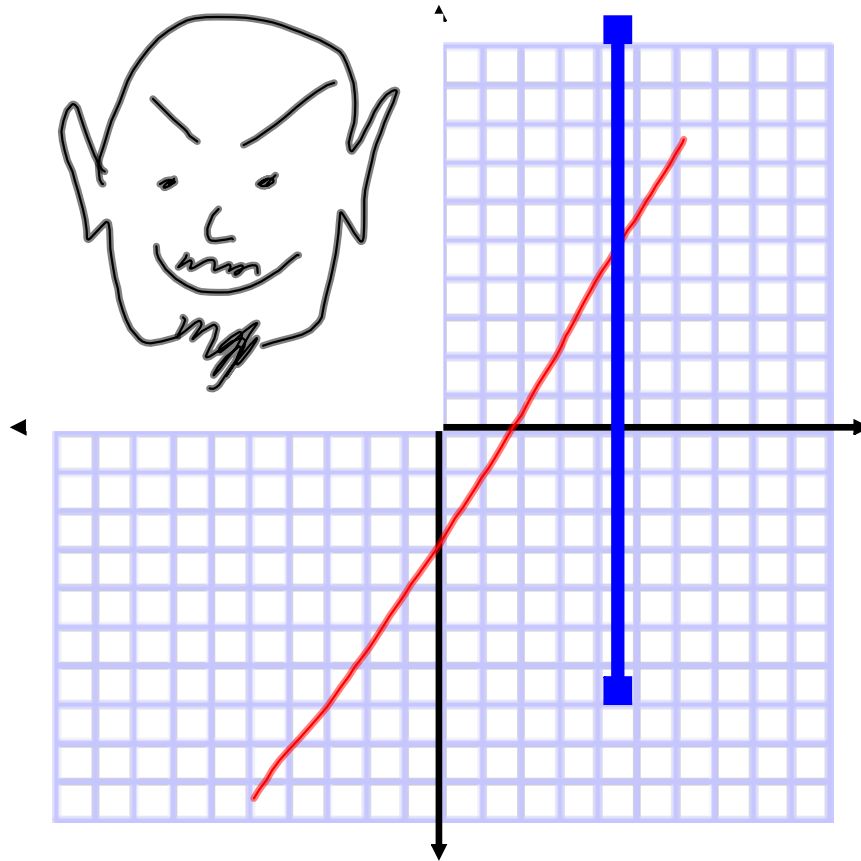
+ and - ordered pairs  
 $(x, y)$

# Plotting Points



	x	y
A	(2	-4)
B	1	7
C	-8	-2
D	2	5

# Linear Functions



Linear equations

*mm = mm*  
graph is straight line

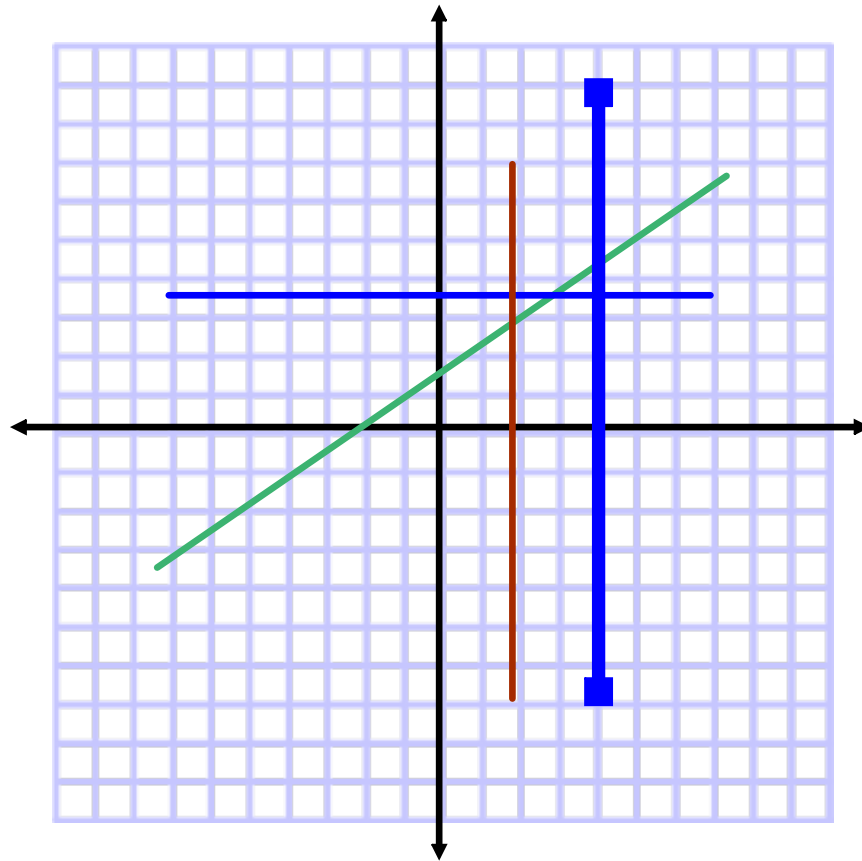
Standard form

$$Ax + By = C$$

$$y = mx + b$$

*slope/intercept*

One y per x (vertical line  
doesn't intersect...)



Is it a function?

blue = yes  
green = yes  
red = no

Homework:

p. 209 4-12 (even), 24, 28, 36