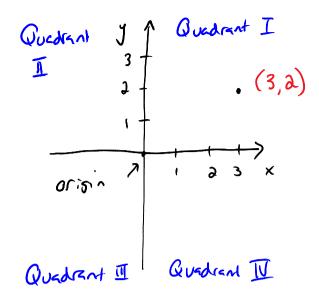
Section 3.1: Graphing Lines in the Coordinate Plane Tuesday, October 15, 2013



(3,2) is an ordered

LABEL YOUR GRAPHS!

- label your axes (x and y)

- label the tickmorks to set the SCALE

exponents on voicibles are all equal to 1

linear equetion in two variables:

is in the form

Ax + By = C

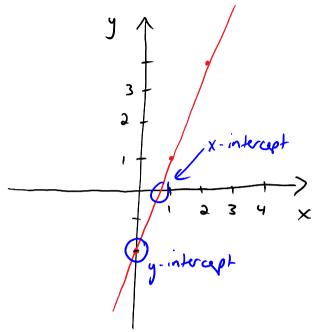
where A, B, and C are all real numbers (constants)
and A and B are not both zero

1. 2.4. D 2.4. 201. 201.

example: Sketch the graph y= 3x-2

bruke force method: lebbe of values

X	y
-3	
-2	-8
-1	-5
0	- 2
	١
ð	4
3	7

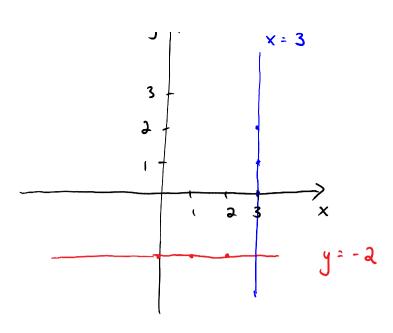


the variable graphed on the x-axis is called the independent variable

the y-axis variable is called the dependent variable

horizontal & vertical lines:

example: Sketch y=-2 and x=3 on the the same graph



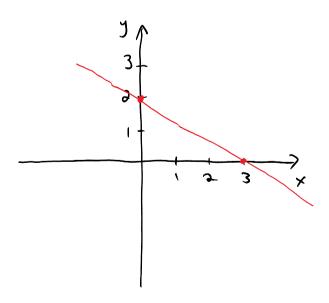
using intercepts for graphing:

graph

$$2x + 3y = 6$$

when
$$x=0$$
, $y=2$
 $y=0$, $x=3$

so
$$(0,2)$$
 is y-intercept $(3,0)$ is x-int



use intercepts to sketch the graph -SX+3y=30

When x=0, y=10y=0, x=-6

