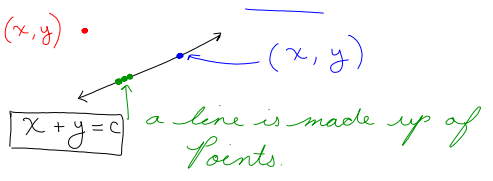
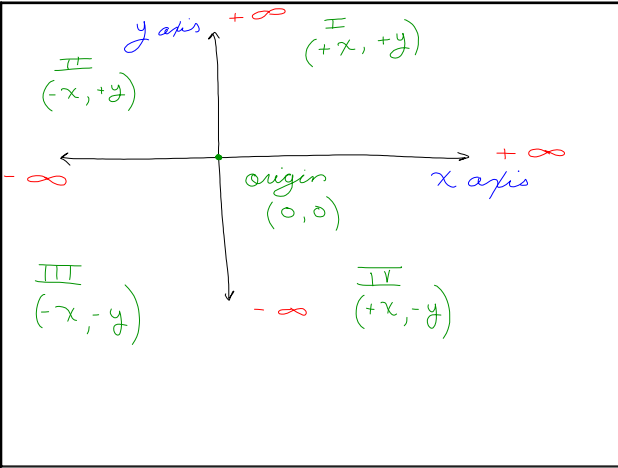


June 29, 2015
 Exam #1 - Thursday
 • Algebra Prep Handout
 • Chapter 8 - Radicals

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Chapter 9 - Linear Functions
Lines
 • (x, y)

 a line is made up of points.

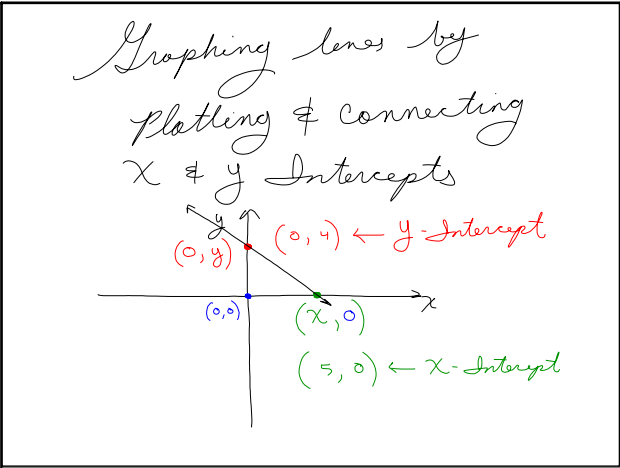
Jun 29-2:17 PM



Quadrants:
 I: $(+x, +y)$
 II: $(-x, +y)$
 III: $(-x, -y)$
 IV: $(+x, -y)$
 origin: $(0, 0)$

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Graphing lines by plotting & connecting
 x & y Intercepts



$(0, 4) \leftarrow y\text{-Intercept}$
 $(5, 0) \leftarrow x\text{-Intercept}$

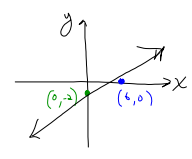
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Graph the Equation by finding Intercepts

$x - 3y = 6$

① $x - 3(0) = 6$
 • Solve for x
 $x = 6$

② $0 - 3y = 6$
 • Solve for y
 $-3y = 6$
 $\frac{-3y}{-3} = \frac{6}{-3}$
 $y = -2$



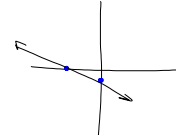
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$x + 2y = -4$

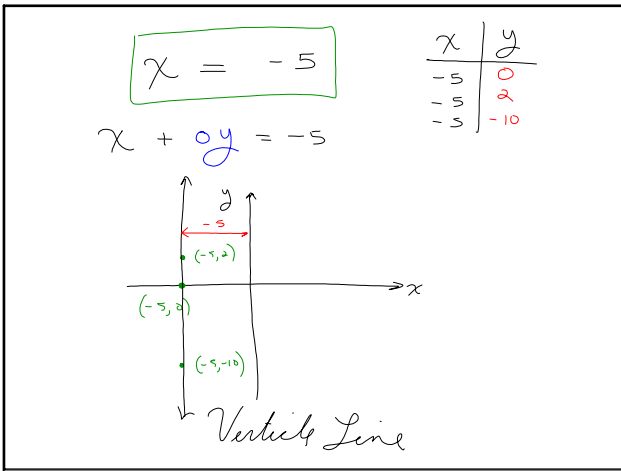
x	y
-4	0
0	-2

x-int.: ① $x + 2(0) = -4$
 $x = -4$

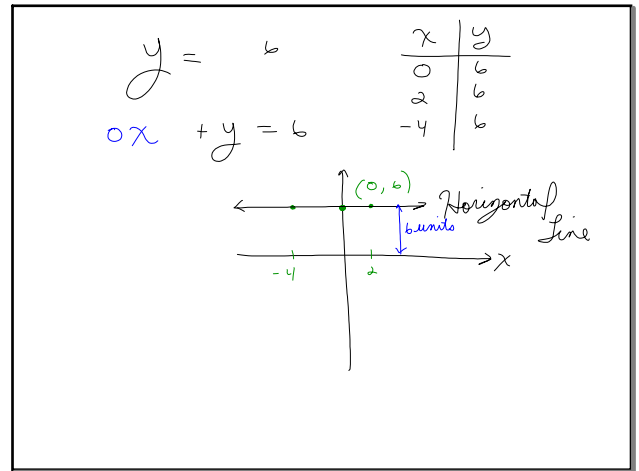
y-int.: ② $0 + 2y = -4$
 $y = -2$



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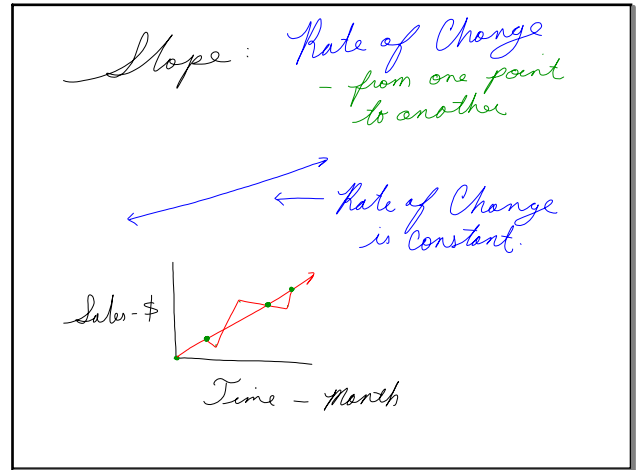
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Finding Intercepts

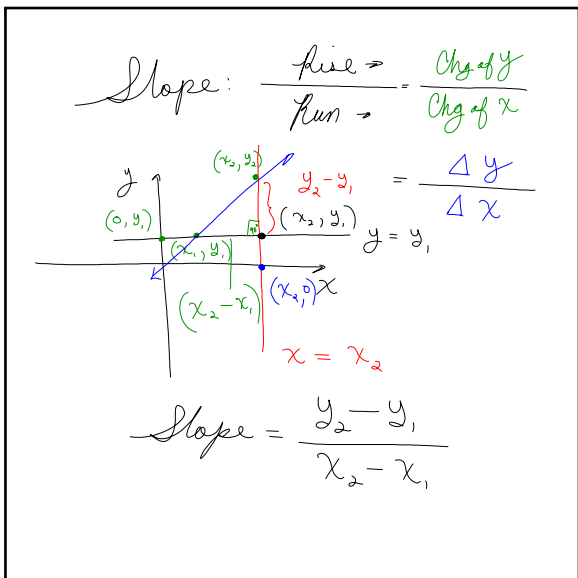
① x-int.: set $y=0$, solve for x .

② y-int.: set $x=0$, solve for y .

Jun 29-3:00 PM



Jun 29-3:02 PM



Jun 29-3:10 PM