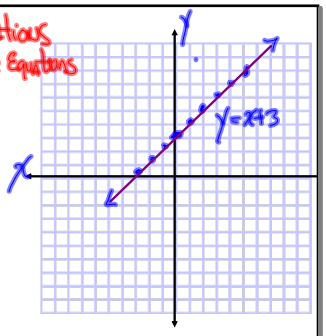
Thursday November 10, 2011
HW#19
Aim: How do we solve quadratic-linear systems of equations?
Test#4 is 11/18/2011 based on HW#20
HW#8-#20 are due 11/30/2011 at 11:45pm (ends on p3)
Do Now Graph paper to Graph
1) $y = x+3$ 2) $y = 2x+1$ 3) $x+y=4$
4) $y = -3$ 5) $y = -\frac{2}{3}x+2$

Nov 10-9:32 AM

1) $y = x+3$ - LINEAR Equations
- First Degree Equations
$y = mx+b$
m (slope) = 1 or $\frac{1}{1}$ to go
b (y intercept) = 3 begin



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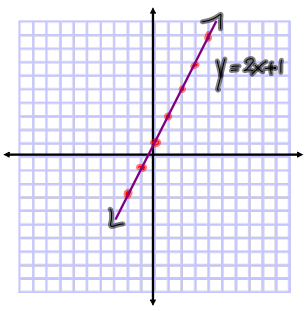
2) $y = 2x+1$
$m = \frac{2}{1}$
$b = 1$



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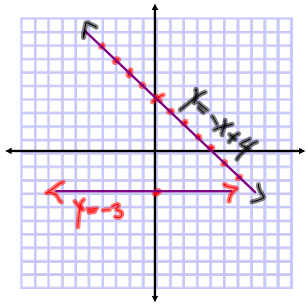
3) $x+y=4$
$y = -x+4$
$y = mx+b$
$m = \frac{-1}{1}$
$b = 4$
4) $y = -3$
$m = 0$
$b = -3$



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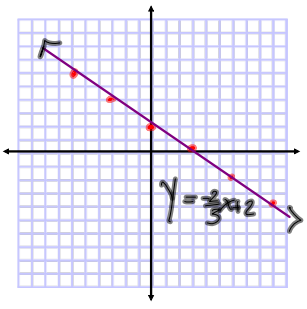
4) $y = -\frac{2}{3}x+2$
$m = \frac{-2}{3}$ Go?
$b = 2$



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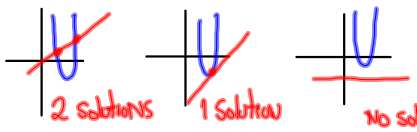
I- Quadratic-linear Systems (more than one)
1) It has a quadratic function (Parabola) and a linear function (straight line)
2) they have 3 possibilities of Intersection



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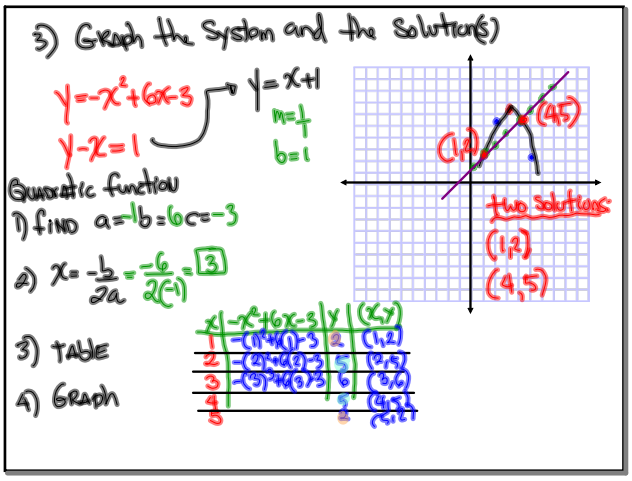

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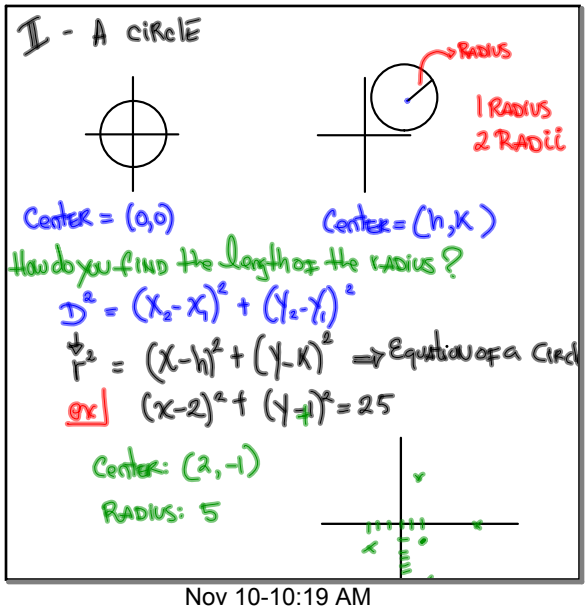

Nov 10-10:19 AM