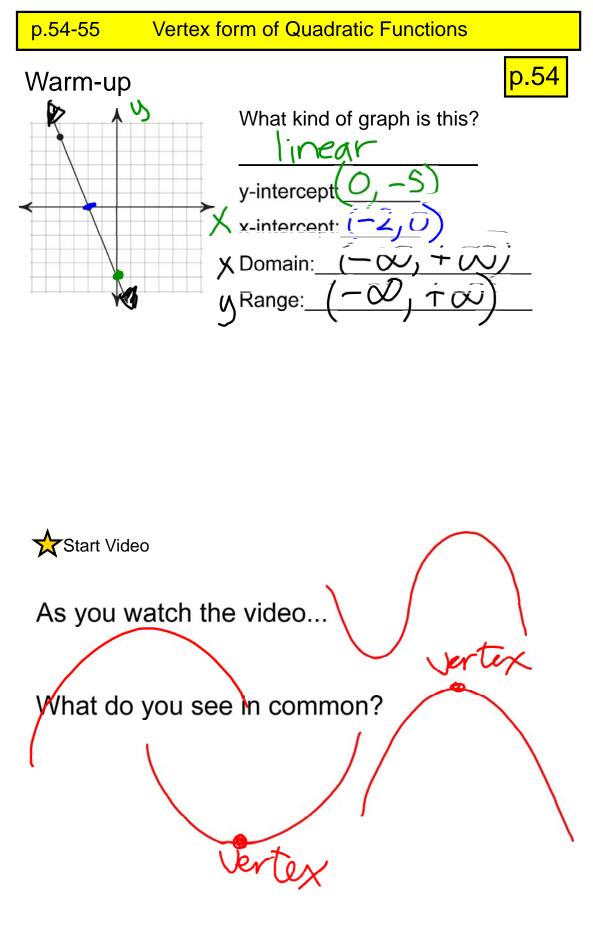
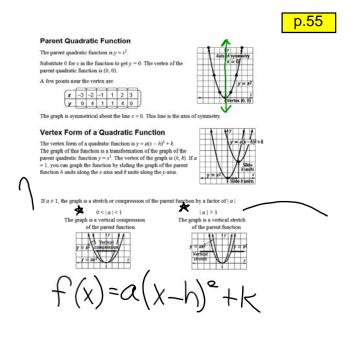
4.1 Graphing Quads Vertex Form p.54-55.notebook

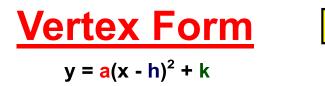
October 17, 2016



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4.1 Graphing Quads Vertex Form p.54-55.notebook

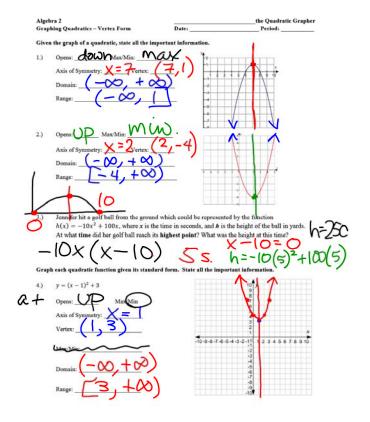




p.55

This makes it easy to find the vertex and the axis of symmetry

Line of symmetry	Vertex
x = h	(h,k)



4.)	$y = -(x+4)^2 - 2$	10 ¹ y
	Opens: Max/Min	8 7 6
	Axis of Symmetry:	5
	Vertex:	3
	Domain:	-10-9-8-7-6-5-4-3-2-10 1 2 3 4 5 6 7 8 9 10
		-1 -2 -3 -4
	Range:	-5
		-8
		-10
	(
5.)	$y = (x+2)^2 + 1$	10 3
	Opens: Max/Min	9
		7
	Axis of Symmetry:	6
	Vertex:	4
	Domain:	-10-9-8-7-6-5-4-3-2-10 1 2 3 4 5 6 7 8 9 10
	Range:	
		-8
		-10
6.)	$y = 2(x-1)^2 + 3$	1019
	Opens: Max/Min	9
	Opens: Max Min	8 7
	Axis of Symmetry:	6 5
	Vertex:	4 3 2
	Domain:	
	Domain.	-10-9-8-7-6-5-4-3-2-10 1 2 3 4 5 6 7 8 9 10
	-	-1
	Range:	
		-7
		8 9 -10
		-107