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lath 11 1) GRAPH CAREFULY! $y = 2(x-4)^2-3$ (without Technology) STATE: Domain
Range
Werter
Axis of Symm.

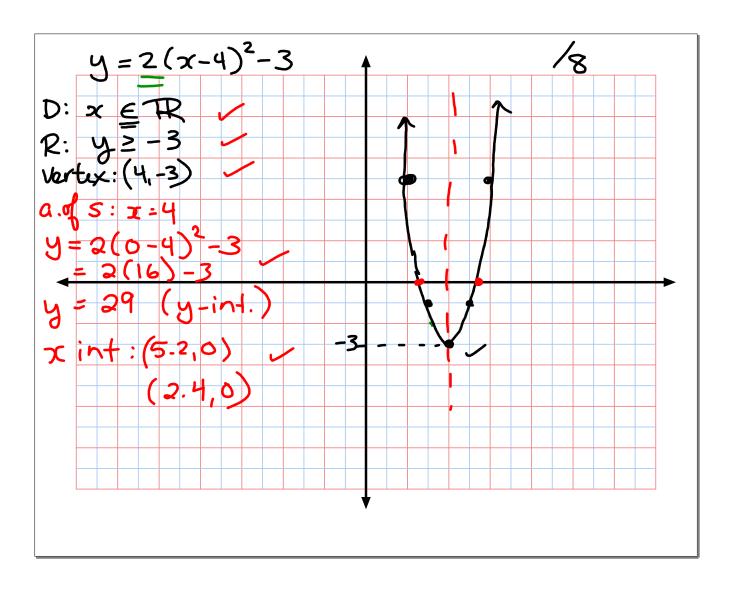
y-intercept ESTIMATE & interepts @ without Graphing (hint-Complete the square!) State: Direction of $y = (x^2 - 8x) + 12$ opening UP

(Uertex) $(4, -4)(8, 7) = (x^2 - 8x + 16) - 16 + 12$ Axis of symm. x = 4x = 8Max/Min Min of - 4 $y = (x - 4)^2 - 4$ (4-intercept 12 $y = (x - 8)^2 + 7$

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3) Find the equation in VERTEX AND STANDARD FORM & the parabola with a vertax of (1,3) passing through the point (3(-1)) n=a(x-b)2+d $y = \frac{1}{4}(x-1)^2 + 3$ $-1 = a(2-1)^2 + 3$ -1 = 0 + 3a = -4 $y = -4(x-1)^2 + 3$ Now for standard form: y=-4 (x-1)(x-1)+3 y =-4 (x2-2x+1)-13 $y = -4x^2 + 8x - 4 + 3$ = -4x2+8x-1

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Math 11 · 3 Chapter 3 Review Questions (early similar to ones you might face on the unit test)

· Work/Catch-up Finish all 8 Ch3 !!

-> we are Moving on on