GPS Algebra

Lesson 2.4 Day 2

Purple Book

Standard: MM2A1b

Objective: To write the equations of absolute value functions.

**Steps**:

1st: Find the vertex 🡪 Sub *x* in for *h* and *k* in for *y*

2nd: Find another point on the graph and sub in the equation with *h* and *k*🡪 this is the *a* value

3rd: Write the equation with *a, h,* and *k*

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| http://www.mathwarehouse.com/algebra/linear_equation/images/absolute-value-graphs/absolute-value.gif  1st:  Vertex: \_\_\_\_\_\_\_ *h = \_\_\_\_\_, k = \_\_\_\_\_\_*  2nd:  3rd:  Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | http://img.sparknotes.com/figures/1/15debaf09555bfc7c688d9ee8ae574bc/abs_graph2.gif  1st:  Vertex: \_\_\_\_\_\_\_ *h = \_\_\_\_\_\_, k = \_\_\_\_\_\_\_*  2nd:  3rd:  Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | http://www.ck12.org/ck12/images?id=306687  1st:  Vertex: \_\_\_\_\_\_\_ *h = \_\_\_\_\_, k = \_\_\_\_\_*  2nd:  3rd:  Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| http://www.algebra.com/cgi-bin/plot-formula.mpl?expression=graph%28400%2C400%2C-10%2C5%2C-5%2C5%2Cabs%28x%2B4%29%29%29&x=0003 | http://www.algebra.com/cgi-bin/plot-formula.mpl?expression=graph%28400%2C300%2C-10%2C10%2C-10%2C10%2C3-abs%28x%29%29&x=0003 | http://www.jcoffman.com/images/ch2_5.6.gif |
| http://www.algebrasolver.com/algebra-2-absolute-value-function-2-gifs/algebr36.gif |  |  |

**HW: Pg 42 #17-21 and Pg 44 #10-12, 19-21 and Quiz #14 (2.2 and 2.4) on Wednesday!!!**