1.2 Homework

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| Graph the following |
| 1. $y=\left\{\begin{array}{c}x-3, -4\leq x<2\\-\frac{1}{2}x+6, 2<x\leq 6\end{array}\right.$

Domain: Increasing on:Range: Decreasing on:Positive on: Constant on: Negative on: roots: |
| Graph the absolute value functions by plotting the vertex, then using the slopes |
| 1. $y=2\left|x-1\right|-5$

http://media.showmeapp.com/files/175307/pictures/thumbs/766832/last_thumb1362707598.jpgVertex:Slopes: | 1. $y=-\left|x+4\right|+6$

http://media.showmeapp.com/files/175307/pictures/thumbs/766832/last_thumb1362707598.jpgVertex:Slopes: |
| Solve the absolute value equation by graphing |
| 1. $-\left|x\right|+4=-3$

http://www.mathnstuff.com/gif/9x9nono.gifSolution: *x =* Plot:Image result for number line | 1. $\frac{1}{2}\left|x+1\right|=4$

http://www.mathnstuff.com/gif/9x9nono.gifSolution: *x =* Plot:Image result for number line |

Quiz tomorrow on the topics on this page