**LT #7: Absolute Value Functions & Graphs**

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2. Vertex: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 AOS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

State the transformations on the following absolute value function. (3 pts)

1. $y=\frac{1}{3}\left|x+3\right|-2$

Without graphing, identify the vertex & axis of symmetry of the following
function. (2 pts)

2. $y=-2\left|x-1\right|+3$

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**LT #8: Two-Variable Inequalities**
Graph and shade the following inequalities. (3pts each)

3. $y<2x-1$ 4. $y\geq \frac{1}{2}\left|x\right|-1$

  

5. $ x>3$

 

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