

Math II Notes 2.4

Name _____

Graphing Absolute Value Transformations

Graph each absolute value equation and name the indicated properties.

1. $y = |x|$

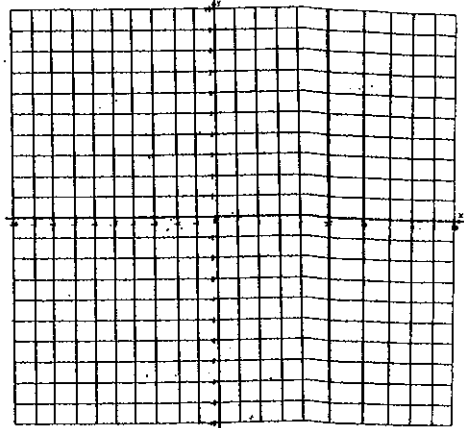
Vertex: _____

Domain: _____ Range: _____

Increasing interval: _____

Decreasing interval: _____

Describe the transformations: _____



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

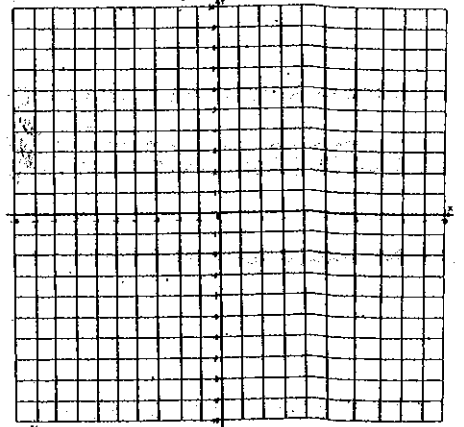
Vertex: _____

Domain: _____ Range: _____

Increasing interval: _____

Decreasing interval: _____

Describe the transformations: _____



3. $y = 5|x+3| - 2$

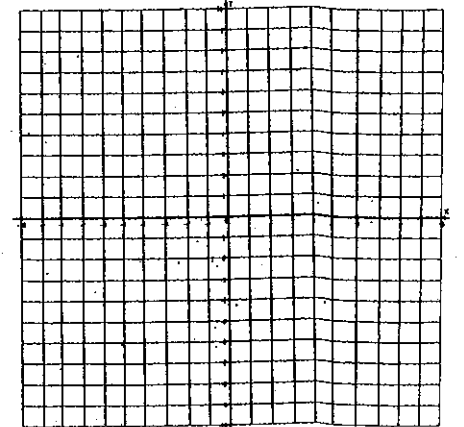
Vertex: _____

Domain: _____ Range: _____

Increasing interval: _____

Decreasing interval: _____

Describe the transformations: _____



4. $y = -|x+4|$

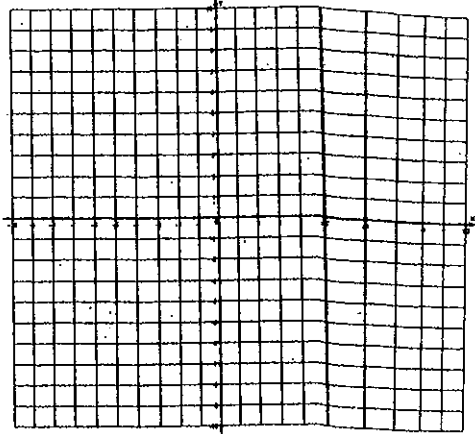
Vertex: _____

Domain: _____ Range: _____

Increasing interval: _____

Decreasing interval: _____

Describe the transformations:



5. $2|x-5|-3$

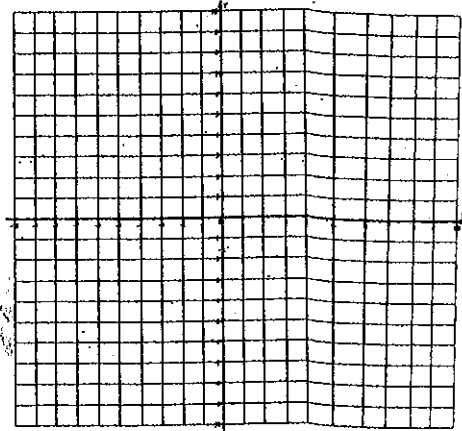
Vertex: _____

Domain: _____ Range: _____

Increasing interval: _____

Decreasing interval: _____

Describe the transformations:



6. $-|x-1|+1$

Vertex: _____

Domain: _____ Range: _____

Increasing interval: _____

Decreasing interval: _____

Describe the transformations:

