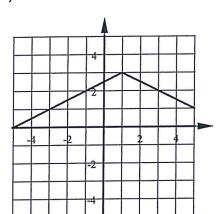
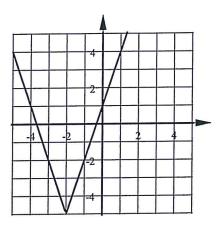
Write the equation of each Absolute Value function described.

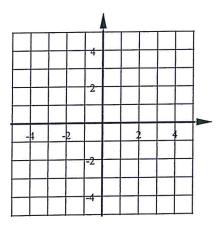
- 1. Translated 6 units left, 3 units down, 5 times taller, and opens down.
- 2. Translated 1unit right, 9 units down, half as tall, and opens up.
- 3. Vertex is (-4,0), opens down, 3 times taller.
- 4. Describe ALL the transformations of y = |x| that this equation represents: $y = -\frac{1}{4}|x+7| + 2$
- 5. Write the equation of each Absolute Value Function shown:
- a)

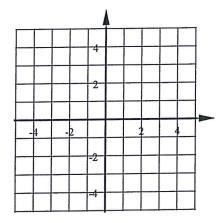


b)



- 6. Graph each using at least 5 points.
- a) $y = \frac{3}{2}|x+2|-4$
- b) y = -2|x 3| + 1





1. Translated 6 units left, 3 units down, 5 times taller, and opens down.

2. Translated 1unit right, 9 units down, half as tall, and opens up.

$$y = \frac{1}{2} |x - 1| - 9$$

3. Vertex is (-4,0), opens down, 3 times taller.

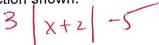
4. Describe ALL the transformations of y = |x| that this equation represents:

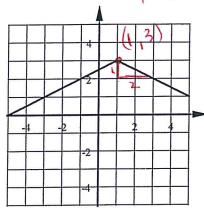
$$y = -\frac{1}{4}|x+7| + 2$$

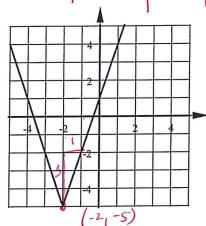
5. Write the equation of each Absolute Value Function shown:

a)
$$Y = -\frac{1}{2} |X - 1| + 3$$









6. Graph each using at least 5 points.

a)
$$y = \frac{3}{2}|x+2|-4$$

b)
$$y = -2|x - 3| + 1$$

