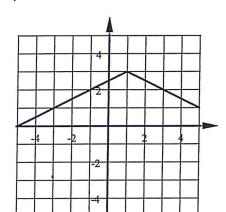
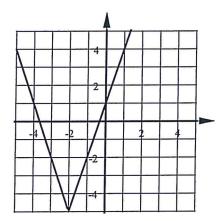
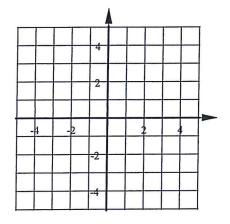
- 1. Translated 6 units left, 3 units down, 5 times taller, and opens down.
- 2. Translated 1unit right, 9 units down, half as tall, and opens up.
- 3. Vertex is (-4,0), opens down, 3 times taller.
- 4. Describe ALL the transformations of y = |x| that this equation represents: $y = -\frac{1}{4}|x+7|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

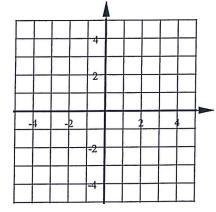


b)



- 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.

$$y = -5|x+6|-3$$

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.

$$y = -3 | x + 4 |$$

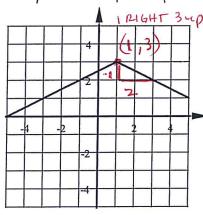
4. Describe ALL the transformations of y = |x| that this equation represents:

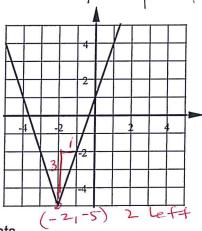
$$y = -\frac{1}{4}|x+7| + 2$$

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

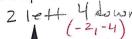
a)
$$y = -$$

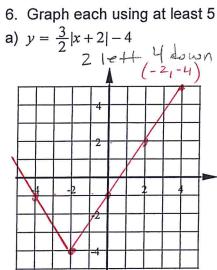
a)
$$y = -\frac{1}{2}|x-1|+3$$
 b) $y = 3|x+2|-5$





- 6. Graph each using at least 5 points.





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

