

# Stained Glass Window

*5 point assignment - 3 points for correct lines; 1 point for neatness; 1 point for creativity!*

- Graph each of the following lines on the graph paper provided. (Tip: use pencil first!) (Check website/email for more blank graphs)
- Draw the lines to the edge of your graph paper. Label the line outside of the grid with its number. See the one that is done for you. (Tip: Label them as you go, do not wait until they are all graphed!)
- When you are finished, neatly color the sections to make a stained glass window design.

1.)  $y = -\frac{1}{2}x - 4$

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

2.)  $y = \frac{3}{2}x + 12$

8.)  $y - 6 = \frac{3}{-2}(x - 4)$

3.)  $y = 12$

9.)  $y = -12$

4.)  $x = 2$

10.)  $y = -\frac{3}{2}x - 12$

5.)  $y - 1 = \frac{1}{2}(x + 6)$

11.)  $y = \frac{3}{2}x - 12$

6.)  $y + 4 = \frac{1}{2}(x + 0)$

12.)  $x = -16$

You will be graded on the accuracy of graphing the lines, neatness & creativity of your coloring.



