Stained Glass Blueprints

1) Graph each line on your paper using pencil. Make sure that your lines are straight by using a ruler. You may trim the edges later to make it neat,.

2)When you have finished graphing all the lines, color your design to create a stained glass window.

3) You may wish to go over certain parts of the design with a dark pen, crayon, or marker to emphasize different portions.

4)Do not darken in your axis.

1) y=- 5x-26 where -9 $\leq$ x $\leq$ -6

2) y=19 where -9 $\leq$ x $\leq$ 19

3) y=5x-26 where 6 $\leq$ x $\leq$ 9

4) y=4 where 6 $\leq$ x $\leq$ 14

5) x=14 where x= 14

6) y= - 4 where 6 $\leq$ x $\leq$ 14

7)y= - 5x+26 where 6 $\leq$ x $\leq$ 9

8)y= - 19 where -9 $\leq$ x $\leq$ 9

9) y= 5x+26 where -9 $\leq$ x $\leq$ -6

10) y= - 4 where -14 $\leq$ x $\leq$ -6

11) x= - 14 where x= - 14

12) y= 4 where -14 $\leq$ x $\leq$ -6

13) y= - 1x-2 where x= -6

14) y= 1x - 2 where x= 6

15) y= - 1x+2 where x= 6

16) y= 1x +2 where x= -6

After you have graphed all of these lines, plot these points. Connect them in the order that they are plotted. For example, graph (- 4, 2). Then graph (- 6.5, 17) and connect it back to (-4, 2).

(- 4, 2)

(- 6.5, 17)

(6.5, 17)

(4, 2)

(12, 2)

(12, - 2)

(4, - 2)

(6.5, -17)

(- 6.5, - 17)

(- 4, -2)

(- 12, - 2)

(12, 2)

(- 4, 2)