

Name\_\_\_\_\_

Date\_\_\_\_\_

## Linear Equation SUN Art

1.) Graph each line onto a piece of graph paper using a pencil and a ruler to get the straightest and neat lines possible.

2.) When you finish graphing all the lines color your designs.

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

1.)  $X=4$

3.)  $Y=-4$

5.)  $Y=\frac{1}{2}-6$

7.)  $Y=\frac{1}{2}+6$

9.)  $Y=\frac{1}{2}+0$

11.)  $Y=10$

13.)  $X=10$

2.)  $X=-4$

4.)  $Y=4$

6.)  $Y=-\frac{1}{2}-6$

8.)  $Y=-\frac{1}{2}+6$

10.)  $Y=-\frac{1}{2}+0$

12.)  $Y=-10$

14.)  $X=-10$

After you have graphed all the lines, plot these points. Connect them in the order that they are plotted. For example, graph (0,4). Then graph (-1,3) and connect it back to (0,2). When you reach **STOP**, you have completed a shape. Pick up the pencil and start the next column without connecting it to the previous one.

(0,4)	(-2,0)	(0,-2)	(3,1)
(-1,3)	(-4,0)	(0,4)	(2,0)
(0,2)	(-3,1)	(1,-3)	(3,-1)
(1,3)	(-3,-1)	(-1,-3)	(4,0)
stop	stop	stop	stop

