Linear Art: The Snowflake
Instructions

1.) Graph Each line onto a piece of graph paper using a pencil and a ruler to make sure your lines are straight and neat.

2.) When finished graphing all of the 12 lines, color your designs

3.) you may go over the lines with a darker color to make an emphasis on certain parts.

1.) $y = 1/2 x + 10$

2.) $y = -1/2 x + 10$

3.) $y = 1/2 x - 10$

4.) $y = -1/2 x - 10$

5.) $y = 6$

6.) $y = -6$

7.) $x = -4$

8.) $x = 4$

9.) $y = 3/2 x$

10.) $y = -3/2 x$

11.) $x = -6$

12.) $x = 6$

After you have graphed all of these linear equations, plot the points listed below. Connect the plots in the order that they are listed. For example, graph (0, 4). Then graph (4, 0) and connect it back to (0, 4). When you get to the word **STOP**, you have completed the shape. When you have completed a shape, you do **NOT** connect it to any other plots.

(0, 4)	(0, 8)	(0, 8)	(8, 0)	(-8, 0)
(4, 0)	(1, -6)	(1, 6)	(6, 1)	(-6, 1)
(0, -4)	(0, -4)	(0, 4)	(4, 0)	(-4, 0)
(-4, 0)	(-1, -6)	(-1, 6)	(6, -1)	(-6, -1)
(4, 0)	(0, -8)	(0, 8)	(8, 0)	(-8, 0)
S T O P	S T O P	S t o p	S t o p	S t o p