

Linear Equations Art Design

Directions: Use your knowledge of linear equations and follow these few simple steps to make a Linear Art Design.

1.) Get a regular piece of graph paper and copy down these equations.

1.) $y = -1x + 4$

2.) $y = 1x + 4$

3.) $y = -1x - 4$

4.) $y = 1x - 4$

5.) $y = 1x + 8$

6.) $y = -1x + 8$

7.) $y = -1x - 8$

8.) $y = 1x - 8$

9.) $y = -1x + 12$

10.) $y = 1x + 12$

11.) $y = -1x - 12$

12.) $y = 1x - 12$

13.) $y = -12$

14.) $y = 12$

14.) $x = -12$

16.) $x = 12$

2.) Plot the points in each section marked with a letter. After the section is marked with the word 'STOP' connect that section of points together.

A.) (-11, -11)

B.) (-11, 11)

C.) (11, 11)

D.) (11 , -11)

(-11, -8)

(-8, 11)

(11 , 8)

(11 , -8)

(-8.5,-5.5)

(-5.5,8.5)

(8.5,5.5)

(8.5,-5.5)

(-5.5,-8.5)

(-8.5,5.5)

(5.5,8.5)

(5.5,-8.5)

(-8, -11)

(-11, 8)

(8 , 11)

(8 , -11)

(-11, -11)

(-11, 11)

(11, 11)

(11 , -11)

'STOP'

'STOP'

'STOP'

'STOP'

3.) When all lines are graphed, color with crayons or markers.

4.) After you have graphed all the lines and colored your linear art design, cut with scissors along these lines.

1.) $y = -12$

2.) $y = 12$

3.) $x = -12$

4.) $x = 12$