

Name: Ginger Sheets, Texhoma High School

Grade level: Algebra I

Topic: Linear equation matching game

A. Objective (PASS):

B. Instruction:

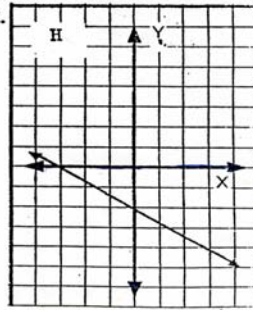
LINEAR GRAPHS & THEIR EQUATIONS

OBJECTIVE: Students will be able to write the equation of a line given its graph in both standard and slope -intercept form.

PREPARATION: * run cards off on 2 colors cardstock and cut out (1 set for every 2 students)
* place students in groups of 2 or 3
* run off recording sheet

PROCEDURE: Students match the graph with its equation in slope intercept form and then in transform the equation to standard form. Students record this information on their recording sheet.

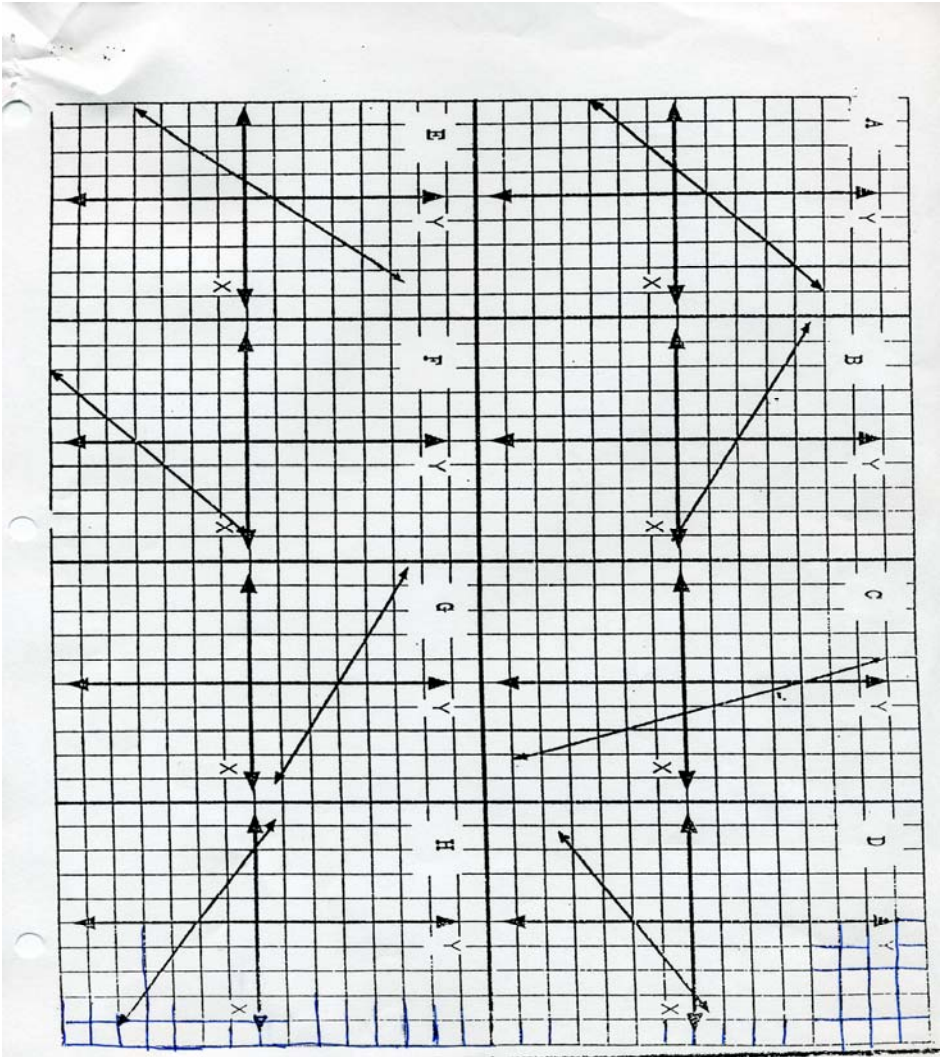
$$Y = - 2/3 X - 2$$



Graphing Activity recording sheet

GRAPH LETTER	SLOPE INTERCEPT EQUATION	STANDARD EQUATION
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		
N		
O		
P		

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$$Y = X + 1$$

$$Y = \frac{4}{3} X + 1$$

$$Y = -\frac{1}{2} X + 2$$

$$Y = X - 4$$

$$Y = -3X + 4$$

$$Y = -\frac{1}{2} X + 3$$

$$Y = \frac{2}{3} X - 2$$

$$Y = -\frac{2}{3} X - 2$$

$Y = 2X$	$Y = 6X - 4$
$Y = 3X$	$Y = -X + 3$
$Y = -\frac{2}{3}X + 5$	$Y = 2X - 6$
$Y = -6X + 2$	$Y = 2X - 3$

Assessment: Once the students have matched the correct equation to its matching graph have them fill out the graphing activity graphing sheet in order to get a grade.

Reflection: Make sure you shuffle the graphs and equations before giving to the students, and keep each set separate.