**2.2.1 Activity**

**LINEAR CHARACTERISTICS ASSESSMENT**

Given the various linear criteria described for each problem, the student (i) identifies the correct linear equation and (ii) selects the correct graph of the equation from the lists on the pages that follow.

CRITERIA:

1. Slope of 3, passing through (0,-2).

EQUATION: \_\_\_\_\_ GRAPH: \_\_\_\_\_

1. Slope of -6, passing through (5,-2).

EQUATION: \_\_\_\_\_ GRAPH: \_\_\_\_\_

1. Containing the points (-4,5) and (2,-7).

EQUATION: \_\_\_\_\_ GRAPH: \_\_\_\_\_

1. Containing the points (7,5) and (-8,-4).

EQUATION: \_\_\_\_\_ GRAPH: \_\_\_\_\_

1. Parallel to the line **and containing the point (6,-2).

EQUATION: \_\_\_\_\_ GRAPH: \_\_\_\_\_

1. Parallel to the line **and containing the point (1,1).

EQUATION: \_\_\_\_\_ GRAPH: \_\_\_\_\_

1. Perpendicular to the line ** and containing the point (-3,-2).

EQUATION: \_\_\_\_\_ GRAPH: \_\_\_\_\_

1. Perpendicular to the line ** and containing the point (6,2).

EQUATION: \_\_\_\_\_ GRAPH: \_\_\_\_\_

1. Having *x-intercept* at 5 and *y-intercept* at -2.

EQUATION: \_\_\_\_\_ GRAPH: \_\_\_\_\_

1. Having *x-intercept* at -3 and *y-intercept* at 8.

EQUATION: \_\_\_\_\_ GRAPH: \_\_\_\_\_

EQUATION LIST:

A. **

B. **

C. **

D. **

E. **

F. **

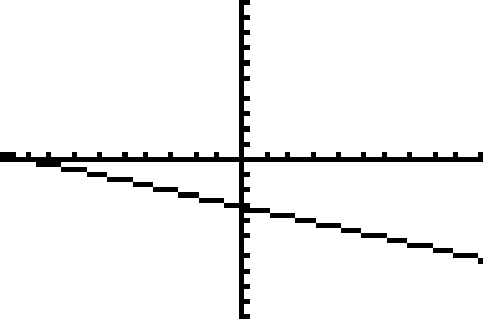
G. **

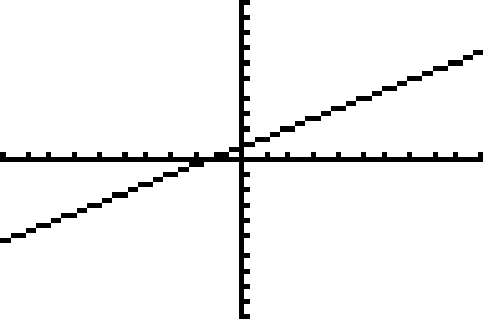
H. **

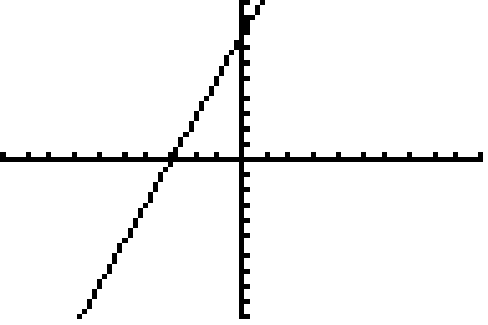
I. **

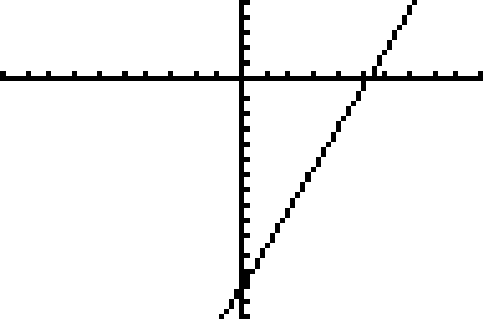
J. **

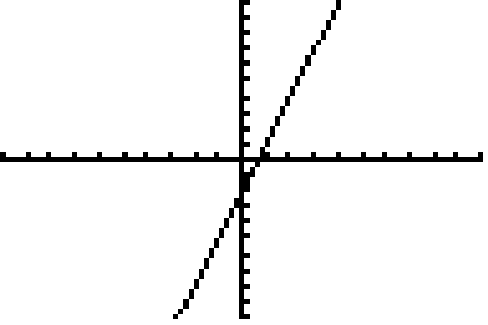
GRAPH LIST:

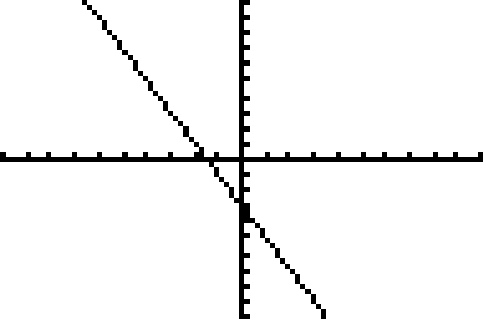
A. 

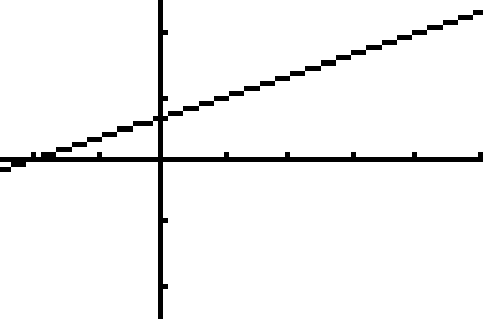
B. 

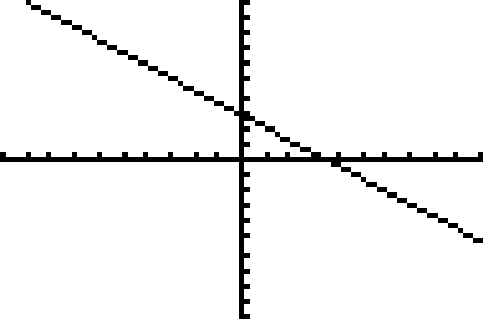
C. 

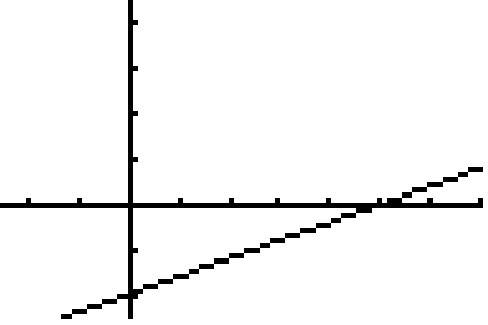
D. 

E. 

F. 

G. 

H. 

I. 

J. 