Create Your Own Stained Glass:

1. On the graph, locate lines A, B, and C. Determine the slope and y-intercept of each line. Write the equations for each line:

a.

b.

c.

1. Write the equation of a line if the y-intercept is $-7$ and

the slope is $-\frac{2}{5}$. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Graph this line and label it “D”.
1. Graph the equation $y=\frac{4}{3}x-10$ and label it “E”.
2. A line passes through $(0,8)$ and has a slope of $2$.

Write the equation of the line. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Graph this line and label it “F”.
1. Graph the equation $y=-x+3$ and label it “G”.

B

C

A

C

A