# DESIGN YOUR OWN STAINED GLASS

1. Create your own stained glass design, using at least 10 equations.
2. Create a list of the equations you used.
3. Graph and color your design.

## SOME POINTERS:

✓ Changing signs will reflect your design, for instance...

  o Changing $y = \frac{1}{2}x + 3$ to $y = -\frac{1}{2}x + 3$ will reflect the line across the y-axis. (Opposite sign for the slope)

  o Changing $y = \frac{1}{2}x + 3$ to $y = -\frac{1}{2}x - 3$ will reflect the line across the x-axis. (Opposite signs for the slope and the y-intercept)

✓ You can create shapes as in the original activity by making a list of ordered pairs to connect.

## STAINED GLASS WINDOW EQUATIONS

1) _____

2) _____

3) _____

4) _____

5) _____

6) _____

7) _____

8) _____

9) _____

10) _____