

## Stained Glass Window Activity

Algebra A/B

Chapter 4.5

**FORM A**

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Hour: \_\_\_\_\_

In each of the following 8 equations, identify the  $m$  and  $b$ , then graph the equation on the provided graph paper. Once all 8 lines are graphed, shade in the areas between the lines in different colors to create a stained glass effect.

1) $y = \frac{4}{7}x + 3$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	2) $y = -3x + 8$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	3) $y = \frac{-4}{7}x + 3$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	4) $y = 3x + 8$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$
5) $y = 3x - 8$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	6) $y = \frac{4}{7}x - 3$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	7) $y = -3x - 8$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	8) $y = \frac{-4}{7}x - 3$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$

## Stained Glass Window Activity

Algebra A/B

Chapter 4.5

**FORM B**

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Hour: \_\_\_\_\_

In each of the following 8 equations, identify the  $m$  and  $b$ , then graph the equation on the provided graph paper. Once all 8 lines are graphed, shade in the areas between the lines in different colors to create a stained glass effect.

1) $y = \frac{3}{8}x + 7$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	2) $y = -2x + 6$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	3) $y = \frac{-3}{8}x + 7$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	4) $y = 2x + 6$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$
5) $y = 2x - 6$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	6) $y = \frac{3}{8}x - 7$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	7) $y = -2x - 6$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$	8) $y = \frac{-3}{8}x - 7$  $m = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$

