

Name: _____

Date: _____

BLM 6.2.1

Practice: The Equation of a Line in Standard Form: $Ax + By + C = 0$

- Rearrange each equation to isolate the variable indicated. Which step did you perform first each time?
 - $d = st$ for t
 - $P = 6s$ for s
 - $A = P + I$ for P
 - $x + y = 4$ for y
- Express each equation in the form $y = mx + b$.
 - $x + y + 6 = 0$
 - $2x + y = 0$
 - $5x + y - 3 = 0$
 - $x + y - 1 = 0$
- Isolate the y term, then write each equation in the form $y = mx + b$.
 - $x + 3y + 1 = 0$
 - $4x + 2y - 3 = 0$
 - $x + 3y = 0$
 - $5x - y - 1 = 0$
 - $6x - 5y + 1 = 0$
 - $4x + 2y = 0$
- Write each equation in slope y -intercept form.
 - $7x + y - 4 = 0$
 - $3x + 2y - 8 = 0$
 - $x - 4y - 2 = 0$
 - $4x - 3y = 0$
- Identify the slope and y -intercept of each line.
 - $x - 2y + 6 = 0$
 - $3x + 2y - 1 = 0$
 - $3x + 8y + 16 = 0$
 - $x - y = 0$
- Use the slope and y -intercept to graph each line from question 5.