

Using Point-slope Form

GROUP : B

Rearrange each equation in Standard Form with a positive lead coefficient.

$$Ax + By = C$$

$$y = -x - 5$$

Find the equation of a line in standard form with a positive lead coefficient, starting from slope-intercept form.

$$y = mx + b$$

$$m = \frac{3}{4}, b = \frac{1}{2}$$

Given the slope and one ordered pair, write the equation for the line using the point-slope formula. Then put your answer in Standard Form if possible.

$$y - y_1 = m(x - x_1)$$

$$m = -3, (4, 5)$$

$$m = 0, (4, -6)$$

Write the equation for a line that goes through these two ordered pairs by following these three steps.

1. Find the slope by using the slope formula.
2. Build the equation using point-slope formula.
3. Arrange the equation in slope-intercept form.



$$(3, 2), (5, 6)$$

$$(2, 1), (4, 0)$$