Using Point-slope Form

GROUP : B

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

$\mathrm{Ax} + \mathrm{By} = C$

$\mathbf{y = -x - 5}$

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

$y = mx + b$

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

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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)

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