Example

Consider the equation $x + 2y - 3 = 0$.

1. Rewrite the equation in slope-intercept form.

   **ANSWER:** $y = -\frac{1}{2}x + \frac{3}{2}$

   
   $x + 2y - 3 = 0$
   
   $2y = -x + 3$
   
   $y = -\frac{1}{2}x + \frac{3}{2}$

2. Find the slope and $y$-intercept.

   **ANSWER:** From the slope-intercept form equation we immediately see that the slope is $-\frac{1}{2}$ and the $y$-intercept is $\frac{3}{2}$. 