if the line has a slope of 5 and y-intercept of -3,what would be the equation in the form of Ax+By+c=0?

Solution.

The statement (the straight line has a slope of 5 and y-intercept of -3) means the equation of this straight line is $y = kx + b, k = 5, b = -3$.

Therefore, $y = 5x - 3$. Rewrite the last equation as $5x - y - 3 = 0$ and thus, we obtain the equation in the form of $Ax + By + c = 0$, where $A = 5, B = -1, c = -3$.

Answer: $5x - y - 3 = 0$