

These equations can be rewritten as $y = -x - 5$ and $y = x + 1$, and are shown in the graph. Their point of intersection is $(-3, -2)$. This is the solution to the system because the values $x = -3$ and $y = -2$ make both equations true: $-3 - 2 = -5$ and $-2 - (-3) = 1$.