

The boundary lines  $y = 2$  and  $y = 2x + 3$  are drawn as solid, because both inequalities use the  $\leq$  sign. The solution to  $y \leq 2$  is shown in blue and the solution to  $y \leq 2x + 3$  is shown in orange. The solution to the system is the overlap region, shown in purple. You can check this by substituting the point  $(0, 0)$  into the inequalities:  $0 \leq 2$  and  $0 \leq 0 + 3$  are both true.