Antonina needs to have worked at least 90 volunteer hours to graduate. She has already volunteered with a housing organization over the summer for 52 hours. Antonina needs to tutor after school for 3 hours per week to complete the remainder of her volunteer hours. If w is the number of weeks that Antonina needs to tutor in order to complete her volunteer hours, which of the following inequalities best models the situation described above?

A. $52w + 30w \geq 90$

B. $52w + 30w \leq 90$

C. $52 + 3w \leq 90$

D. $52 + 3w \geq 90$