



Question

Which of the following inequalities is valid for all $x \geq 1$?

- A. $x \leq 3x \leq x(2 - \sin x)$
- B. $x(2 - \sin x) \leq x \leq 3x$
- C. $x \leq x(2 - \sin x) \leq 3x$
- D. $3x \leq x(2 - \sin x) \leq x$