

The denominator determinant for the value of x in the system

$$\begin{cases} 3x + 4y = 7 \\ 2x - 3y = 5 \end{cases} \text{ is } \underline{\hspace{2cm}}.$$

A) $\begin{vmatrix} 3 & 7 \\ 2 & 5 \end{vmatrix}$

B) $\begin{vmatrix} 3 & 4 \\ 2 & -3 \end{vmatrix}$

C) $\begin{vmatrix} 4 & 7 \\ -3 & 5 \end{vmatrix}$

D) $\begin{vmatrix} 2 & 7 \\ 3 & 5 \end{vmatrix}$

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Answer **B**.