



Find the inverse of the matrix,  $B = \begin{bmatrix} -3 & 6 \\ 2 & -5 \end{bmatrix}$ .

Non-integers should be given either as decimals or as simplified fractions.

$B^{-1} =$

$$\begin{bmatrix} -\frac{5}{3} & -2 \\ -\frac{2}{3} & -1 \end{bmatrix}$$

~~$|B| = (-3)(-5) - (6)(2)$~~   
 Determinate:  
 ~~$|B| = 3$~~

$$\begin{bmatrix} -\frac{5}{3} & -\frac{6}{3} \\ -\frac{2}{3} & -\frac{3}{3} \end{bmatrix} = \begin{bmatrix} -\frac{5}{3} & -2 \\ -\frac{2}{3} & -1 \end{bmatrix}$$



Good work!

Keep going! Or see a step-by-step solution.



Next question