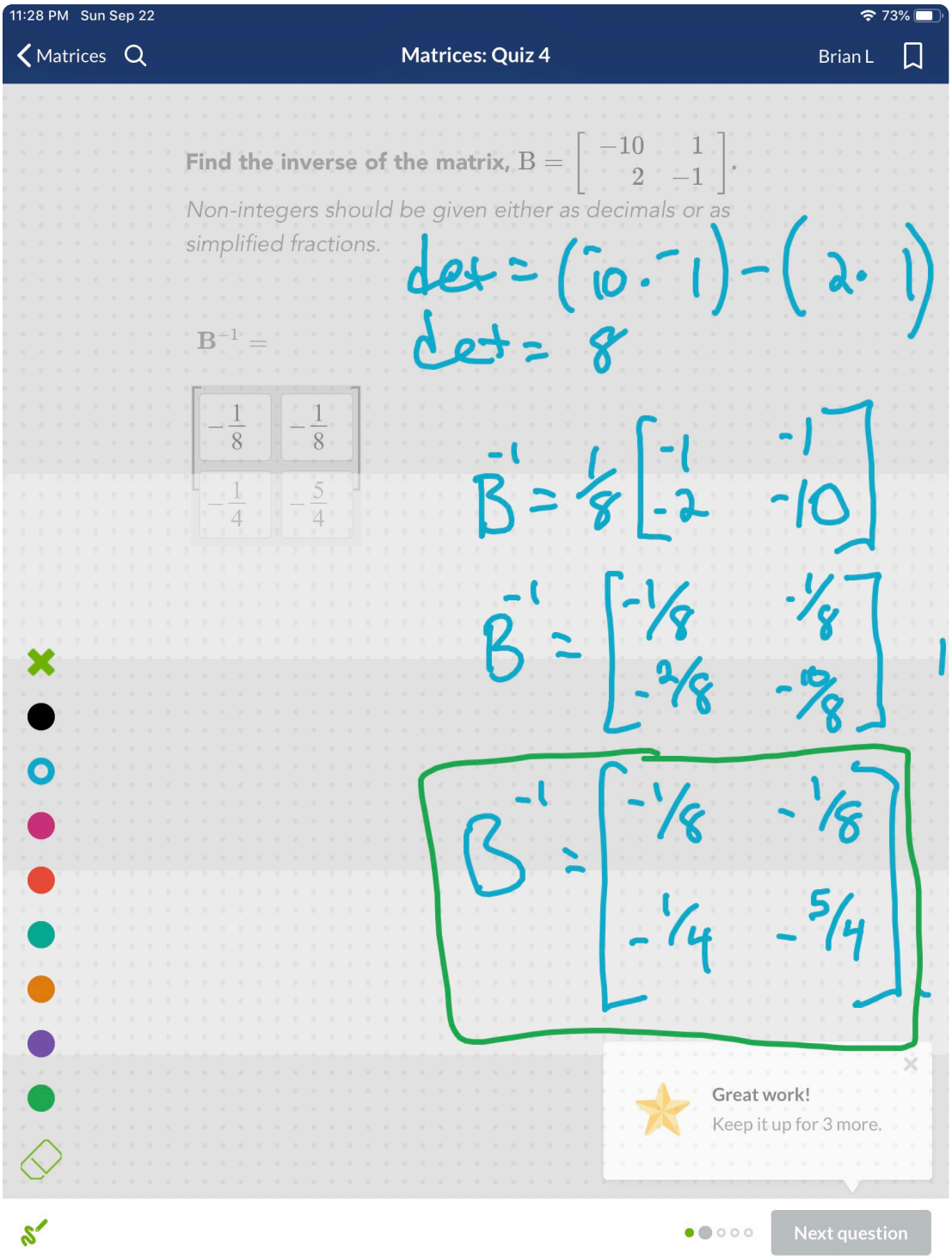
11:28 PM Sun Sep 22
73%
Matrices
Matrices: Quiz 4
Brian L
Find the inverse of the matrix, $B = \begin{bmatrix} -10 & 1 \\ 2 & -1 \end{bmatrix}$.
Non-integers should be given either as decimals or as simplified fractions.
$B^{-1} =$
$\begin{bmatrix} -\frac{1}{8} & -\frac{1}{8} \\ -\frac{1}{4} & -\frac{5}{4} \end{bmatrix}$
det = (-10 · -1) - (2 · 1)
det = 8
$B^{-1} = \frac{1}{8}\begin{bmatrix} -1 & -1 \\ -2 & -10 \end{bmatrix}$
$B^{-1} = \begin{bmatrix} -1/8 & -1/8 \\ -2/8 & -10/8 \end{bmatrix}$
$B^{-1} = \begin{bmatrix} -1/8 & -1/8 \\ -1/4 & -5/4 \end{bmatrix}$
Great work!
Keep it up for 3 more.
Next question