WORKSHEET 10/30/23
MATH 2331, FALL 2023

(1) Suppose that $\det(A) = 6$, where A is the matrix with rows $\vec{x}$, $\vec{y}$, $\vec{z}$, $\vec{w}$. Calculate the determinant of the matrix B with rows $5\vec{y}$, $\vec{x} + \vec{y}$, $\vec{z} + 7w$, $3\vec{w}$.

(2) How does the answer to the previous question change after replacing the word "row" with the word "column"?