

Name \_\_\_\_\_

Either scan your answers or send a picture using remind or email

Quiz 1: determinants of 3 x 3 matrices and inverses of 2 x 2 matrices

Show ALL the steps in determining the determinant of a 3 x 3 Matrix and state the determinant of  $\begin{bmatrix} 2 & 2 & -3 \\ 1 & 0 & 5 \\ 6 & 3 & -7 \end{bmatrix}$

State the value of n that would mean that the following matrix would NOT have an inverse  $\begin{bmatrix} 2 & 2 & -3 \\ 1 & 0 & 5 \\ 6 & 3 & n \end{bmatrix}$

State the inverse matrix of  $\begin{bmatrix} 2 & 5 \\ 8 & -6 \end{bmatrix}$

State the value of n that would mean that the following matrix would NOT have an inverse  $\begin{bmatrix} 2 & n \\ 8 & -6 \end{bmatrix}$