

Linear Algebra Quiz 2

Find the inverse of the following matrix, if it exists:

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