Texercise (unit vector => length of vector is equal to 1)

U) Find a unit vector that orthogonal with x. $z=[0] \Rightarrow \alpha x=[0,1][0]=0+0=0$ (2) Find a unit vector that orthogonal with X. x = [] $|a = [-\frac{1}{2}, +\frac{1}{2}]| = 0$ || a|| = Jata = Jait ... tax = J(1)+(+1)=] =] 3) Find a unit vector that a I x and a I y. $\begin{array}{c}
X = \begin{bmatrix} 1 \\ 0 \end{bmatrix} \\
Y = \begin{bmatrix} 0 \\ 0 \end{bmatrix}
\end{array}$ $\begin{array}{c}
A^{T}y = \begin{bmatrix} 0 \\ 0 \end{bmatrix}
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