



## **Congratulations! You passed!**

TO PASS 80% or higher

**Keep Learning** 

GRADE 100%

## Diagonalisation and applications

**TOTAL POINTS 7** 

1. In this quiz you will diagonalise some matrices and apply this to simplify calculations.

1/1 point

Given the matrix  $T=egin{bmatrix}6&-1\\2&3\end{bmatrix}$  and change of basis matrix  $C=egin{bmatrix}1&1\\1&2\end{bmatrix}$  (whose columns are eigenvectors of T), calculate the diagonal matrix  $D=C^{-1}TC$ .