Ongratulations! You passed!

Grade received 100% Latest Submission Grade 100% To pass 80% or higher Go to next item

1.	Compute the projection matrix that allows us to project any vector $\mathbf{x} \in \mathbb{R}^3$ onto the subspace spanned by the basis vector $\mathbf{b} = \begin{bmatrix} 1 \\ 2 \\ 2 \end{bmatrix}$.	2 / 2 points
	Do the exercise using pen and paper. You can use the formula slide that comes with the corresponding lecture. $\begin{bmatrix} 1 & 2 & 2 \\ 2 & 4 & 4 \\ 2 & 4 & 4 \end{bmatrix}$ $\begin{bmatrix} \frac{1}{6} \end{bmatrix}$ $\begin{bmatrix} 1 & 2 & 2 \\ 2 & 4 & 4 \\ 4 & 4 & 4 \end{bmatrix}$	
	Correct Well done!	
2.	Given the projection matrix $\frac{1}{25}\begin{bmatrix}9&0&12\\0&0&0\\12&0&16\end{bmatrix}$ project $\begin{bmatrix}1\\1\\1\end{bmatrix}$ onto the corresponding subspace, which is spanned by $\mathbf{b}=\begin{bmatrix}3\\0\\4\end{bmatrix}$. Do the exercise using pen and paper. $\bigcirc\begin{bmatrix}21\\0\\28\end{bmatrix}$ $\underbrace{\begin{bmatrix}21\\0\\28\end{bmatrix}}_{25}\begin{bmatrix}21\\0\\28\end{bmatrix}$	2/2 points
3.	○ \$\begin{align*} 0 \$\delta \\ \delta \\delta \\ \delta \\ \delta \\ \delta \\ \delta \\ \delta \\ \delta	1/1 point
	weil done:	