Linear Algebra, EE 10810/EECS 205004

Quiz 4.2 - 4.4

Student ID:(Dated:	November 25th, 2020)	
Integrity: There is NO space to cross	ss the Red Line!!	
1. Use row operations to simplify and compute the		
$\mathrm{d}\epsilon$	$ \text{et} \begin{bmatrix} 101 & 201 & 301 \\ 102 & 202 & 302 \\ 103 & 203 & 303 \end{bmatrix}, $	(1)
2. Find the determinant of the symmetric Pascal ma	atrices	
(a)	$\begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 2 & 3 & 4 \end{bmatrix}$	(2)
	$\det \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 2 & 3 & 4 \\ 1 & 3 & 6 & 10 \\ 1 & 4 & 10 & 20 \end{bmatrix},$	(2)
(b)	$ \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 2 & 3 & 4 \end{bmatrix} $	(9)
	$\det \begin{bmatrix} 1 & 1 & 1 & 1 \\ 1 & 2 & 3 & 4 \\ 1 & 3 & 6 & 10 \\ 1 & 4 & 10 & 19 \end{bmatrix}.$	(3)