

CSE 330: QUIZ 4

Marks:15, Time: 20 min

Name:	ID:	Sec:
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1. Solve the system of equations $x_1 + x_2 + x_3 = 1$, $3x_1 + x_2 - 3x_3 = 5$ and $x_1 - 2x_2 - 5x_3 = 10$ by LU decomposition method. [10 marks]
2. Is set $S = \{(1, 2, 5)^T (1, 2, -1)^T\}$ orthonormal? If not, convert it into one. [5 marks]