KFUPM/ Department of Mathematics & Statistics/ 161/ MATH 260-05/ Quiz 2

Name: **ID #:** **Serial #:**

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1. Write, if possible, the vector $t = (4, 5, 6)$ as a linear combination of the vectors $u = (2, -1, 4)$, $v = (3, 0, 1)$, $w = (1, 2, -1)$

2. Solve the IVP: $y'' + y' - 12y = 0$, $y(0) = 1$, $y'(0) = 3$.