KFUPM/ Department of Mathematics & Statistics ID # Serial #
MATH 260-04/ Quiz 2b/ 131 Name

1. [8pts] Use Cramer's rule to solve for y the system $\left\{ \begin{array}{rl} x-y+z & =3 \\ -x+y+z & =4 \\ x+y-z & =2 \end{array} \right\}$

2. [8pts] Express, if possible, the vector $w = (3, 8, 6)$ as a linear combination of $u = (3, -2, 0)$ and $v = (1, -4, -2)$.