QUIZ 3 MATH 260 NAME_____ID_____SECTION_____

Q1. Use Cramer's rule to solve the system $2x+3y=3$ and $x-5y=2$.

Q2. Check if vectors $\underline{u}=(3,4)$ and $\underline{v}=(5,-1)$ are linearly independent or not (do not use determinant method).

Q3. Express vectors $\underline{u} = (3,4)$ and $\underline{v} = (5,-1)$ as a linear combination of vector $\underline{w} = (1,-2)$. Also, verify your answer.