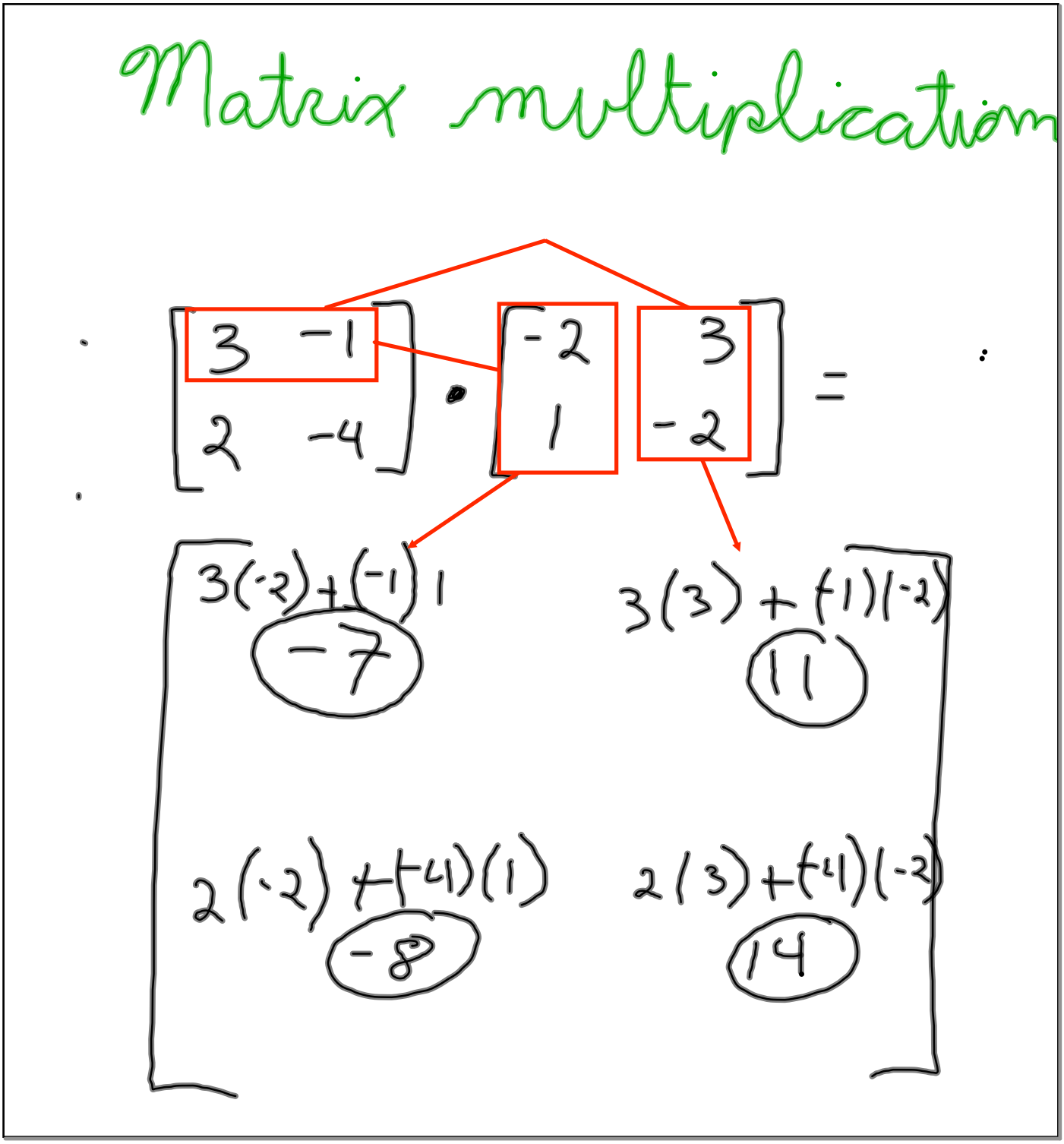
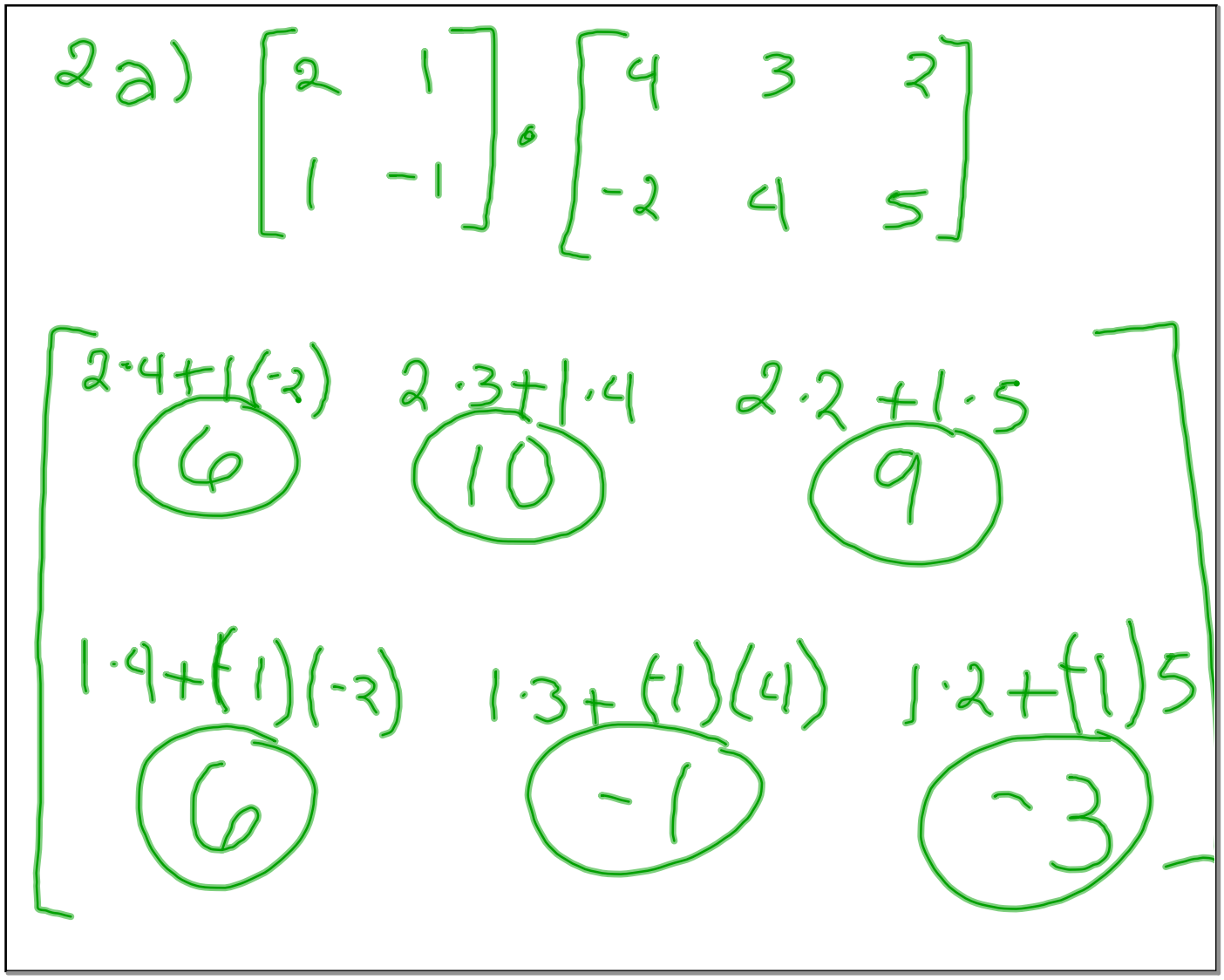
January 06, 2010

Matrix multiplication




2a)
$\begin{bmatrix} 2 & 1 \\ 1 & -1 \end{bmatrix} \cdot \begin{bmatrix} 4 & 3 & 2 \\ -2 & 4 & 5 \end{bmatrix}$
$\begin{bmatrix} 2\cdot4+1(-2) & 2\cdot3+1\cdot4 & 2\cdot2+1\cdot5 \\ 6 & 10 & 9 \\ 1\cdot4+(1)(-2) & 1\cdot3+(1)(4) & 1\cdot2+(1)5 \\ 6 & -1 & -3 \end{bmatrix}$