OK Guys, I'm tired. But here's the inverse of the Jacobian I calculated:

$$J^{-1} = \begin{bmatrix} 13.5 & 9.5 & 15.2 \\ 11.62 & 9.67 & 15.4 \\ 0 & 20.67 & 15.6 \end{bmatrix}$$

And since we are asked for the inverse of the inverse we calculated (aka, the actual, approximated Jacobian):

$$J = (J^{-1})^{-1} = \begin{bmatrix} 0.5043 & -0.4999 & 0.0021 \\ 0.5459 & -0.6342 & 0.0942 \\ -0.7233 & 0.8404 & -0.0607 \end{bmatrix}$$

Ok, I'm going to bed. Please be sure to check mine and Jonathan's work on the XLS spreadsheet and here. Also, i fyou have any questions, feel free to text me, call me, or whatever.