| | Lelia Hampton |
|----|---|
| | Lelia Hampton Quiz 6 |
| | |
| 1) | a) ad-bc |
| | =-30-(-21)=-30+21=-9 |
| | The mofrix is invertible since ad-bc 70. |
| | |
| | b) The matrix is not invertible since there |
| | is a column of zeroes, meaning there are not 3 pivots, so the Invertible Mathix |
| | Theorem is not satisfied. |
| | 14C+ Cm 13 1/3/1 34/37/Con |
| | c) [1 - 5 - 4] [-3 6 0] [1 - 2 0] |
| | 0 3 4 ~ 0 3 4 ~ 0 3 4 ~ |
| | [-3 6 0] L] -5 -9] L] -5 -9] |
| | $R1 \leftrightarrow R3$ $\frac{1}{3}R_1 \Rightarrow R_1$ |
| | T1-207 T1-207 |
| | 034~034 |
| | 0-3-4/ 6000 |
| | |
| | NOT invertible; there are not 3 pivot |
| | positions |
| | |
| | d) Invertible because there are 4 pivot |
| | positions |
| | |
| | |
| | |
| | |
| | |
| | |

