Matrix organisation and order

Name: _____ Date: _____

6 questions | 12 marks

1. State the order of $A = \begin{pmatrix} 1 & 4 \\ 2 & 5 \\ 3 & 6 \end{pmatrix}$. [2 marks]

2. Find a_{12} and a_{31} in $A = \begin{pmatrix} 1 & 4 \\ 2 & 5 \\ 3 & 6 \end{pmatrix}$. [2 marks]

3. Rows are Monday/Tuesday and columns adult/child tickets. Interpret 31 in $\begin{pmatrix} 24 & 10 \\ 31 & 8 \end{pmatrix}$.

[2 marks]

4. How many entries are in a 4×3 matrix? [2 marks]

5. Can lists $(2, 5)$ and $(1, 4, 7)$ form the two rows of one matrix? [2 marks]

6. A profit matrix includes -40. Must it be invalid? [2 marks]