# Matrix notation, order and entries

Name: _____ Date: _____

6 questions | 12 marks

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

**2.** For $A = \begin{pmatrix} 2 & 5 \\ -1 & 8 \end{pmatrix}$, find $a_{21}$ and $a_{12}$. [2 marks]

**3.** How many entries does a $4 \times 3$ matrix contain? [2 marks]

**4.** Find $x$ if $\begin{pmatrix}1 & x-2\end{pmatrix}=\begin{pmatrix}1 & 6\end{pmatrix}$. [2 marks]

**5.** Two shops record sales of three products. Rows represent shops and columns represent products. State the order of the sales matrix. [2 marks]

**6.** Are $\begin{pmatrix}1 & 2\\3 & 4\end{pmatrix}$ and $\begin{pmatrix}1 & 3\\2 & 4\end{pmatrix}$ equal? Explain. [2 marks]