

# Matrices lesson 10 - Solving sim. equations with matrices

Magic Monk Tutorials

**1 Solve the following matrix equations with matrices.**

$$A = \begin{pmatrix} 3 & 7 \\ 2 & 5 \end{pmatrix}, B = \begin{pmatrix} 2 & 5 \\ 1 & 3 \end{pmatrix}, C = \begin{pmatrix} 1 & 1 \\ 5 & 6 \end{pmatrix}$$

**1.1**  $AX + BX = C$

**1.2**  $XA + XB = C$

**1.3**  $A + XB = XC$

**1.4**  $XA + 2B = XC$