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maths friday afternoons Exam 2 11/12/2020

vii) $A + B = \begin{pmatrix} -3 & 3 & 3 \\ -3 & 6 & 7 \\ 3 & -2 & 5 \end{pmatrix}$

viii) $AB + D =$ cant multiply - not the same matrices

b) $Y = \begin{pmatrix} 2 & 2x & -2 \\ 5 & x & 1 \\ 2 & (x+2) & 1 \end{pmatrix}$ solve for x if $Y=5$.

c) Cramers rule simultaneous equations.

$$3x - y + 4z = 21.$$

$$5x + 3y - 2z = 15$$

$$2x + 4y + 3z = 10.$$

$$\begin{pmatrix} 3 & 1 & 4 \\ 5 & 3 & 1 \\ 2 & 4 & 3 \end{pmatrix} \begin{matrix} x \\ y \\ z \end{matrix} = \begin{pmatrix} 21 \\ 15 \\ 10 \end{pmatrix}$$