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\documentclass[12pt]{article}

\usepackage{amsmath}

\newcommand{\myvec}[1]{\ensuremath{\begin{pmatrix}#1\end{pmatrix}}}

\newcommand{\solution}{\noindent \textbf{Solution: }}

\providecommand{\brak}[1]{\ensuremath{\left(#1\right)}}

\providecommand{\norm}[1]{\left\| \text{#1} \right\|}

\let\vec\mathbf

```

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\title{linear equations in two variables}

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\begin{document}

\maketitle

\section*{Class No$^{11th}$ Maths - Chapter 3}

This is Problem-1 from 3.3

\begin{enumerate}

\item Type your question \\
 $x+y=14$  &  $x-y=4$ 

```

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\solution \\
 $x=9$  &  $y=5$ 

```

Given Data:

This can also be written as:

```

\begin{align}
\vec{AX}=\vec{B}

()

\end{align}

```

```

Ex of creating a matrix -  $A= \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix}$   $X= \begin{pmatrix} x \\ y \end{pmatrix}$  \\
 $B= \begin{pmatrix} 14 \\ 4 \end{pmatrix}$  \\
 $\text{mydet} \begin{pmatrix} 14 & 1 \\ 4 & -1 \end{pmatrix}$ 

```

$\backslash\mathrm{mydet}\{1&1\backslash\backslash1&-1\}$

$$x = -14-4/-2$$

$$x = -18/-2$$

$$x = 9$$

$\backslash\mathrm{mydet}\{b \& a1\}\backslash\backslash\{a1 \& a2\}$

$\backslash\mathrm{mydet}\{14 \& 1\backslash\backslash4 \& 1\}$

$\backslash\mathrm{mydet}\{-2\}$

$$14-4/2$$

$$10/2$$

$$5$$

$$y = 5$$

$\backslash\mathrm{end}\{\mathrm{document}\}$



N_CHARAN (1).pdf

