```
\documentclass[11pt]{article}

\oddsidemargin=0.25truein \evensidemargin=0.25truein
\topmargin=-0.5truein \textwidth=6.0truein
\usepackage{xcolor}

\usepackage{booktabs}
\usepackage[bf,hang]{caption}
\usepackage{float}
\usepackage[utf8]{inputenc}
\usepackage{hyperref}
\usepackage{mathtools}
\usepackage[longnamesfirst]{natbib}
\usepackage{graphicx}
\usepackage{subfigure}
\usepackage{subcaption}

\newcommand{\var}{\mathrm{var}}
\newcommand{\cov}{\mathrm{cov}}
\newcommand{\Expect}{{\rm I\kern-.3em E}}

\usepackage{background}
\backgroundsetup{
  position=current page.north,
  angle=0,
  nodeanchor=north,
  hshift=70mm,   % Change this to move horizontally
  vshift=-20mm,  % Change this to move vertically
  opacity=10,
  scale=1,
  contents=Your Name - Bootcamp 2021,
  color=black
}


\begin{document}
\parskip=\bigskipamount
\parindent=0.0in


\centerline{\Large \bf Problem 1}
a)
\[\left[\begin{array}{cccIc}
1 & 3 & 4 & 11 \\
 \textcolor{blue}{2} & -1 & 3 & 3 \\
 \textcolor{blue}{3} & 2 & 5 & 12 \\
\end{array}\right] \sim \left[\begin{array}{cccIc}
1 & 3 & 4 & 11 \\
0 & -7 & -5 & -19 \\
0 &  \textcolor{blue}{7} & -7 & -21 \\
```

```
\end{array}\right]   \sim \left[\begin{array}{ccclc}
\textcolor{red}{1} & 3 & 4 & 11 \\
0 & \textcolor{red}{-7} & -5 & -19 \\
0 & 0 & \textcolor{red}{-2} & -2\\
\end{array}\right]
\]

The solution $(x,y,z)$ is $(1,2,1).$

\vspace{20mm}
b)



\end{document}
```