1)Given matrices

$$
\begin{aligned}
\mathbf{A} & =\left(\begin{array}{lll}
0 & 8 & 6 \\
7 & 5 & 3 \\
0 & 9 & 0
\end{array}\right) \\
\mathbf{B} & =\left(\begin{array}{lll}
3 & 1 & 4 \\
1 & 5 & 9 \\
2 & 6 & 5
\end{array}\right)
\end{aligned}
$$

compute $\mathbf{A} \cdot \mathbf{B}$, and compute $c A+d B$ for $c=2$. and $d=-1$.
2) Solve the following system of equations:
$x+y+6 z=0$
$-2 x+3 y+z=-3$
$3 x-4 y+2 z=2$

