1. Find the least-squares solutions of $A x=b$ where

$$
A=\left(\begin{array}{ll}
0 & 1 \\
1 & 1 \\
2 & 1
\end{array}\right) \quad b=\left(\begin{array}{l}
6 \\
0 \\
0
\end{array}\right)
$$

2. Find the least-squares solutions of $A x=b$ where

$$
A=\left(\begin{array}{cc}
2 & 0 \\
-1 & 1 \\
0 & 2
\end{array}\right) \quad b=\left(\begin{array}{c}
1 \\
0 \\
-1
\end{array}\right)
$$

3. Find the least-squares solutions of $A x=b$ where

$$
A=\left(\begin{array}{cc}
2 & -2 \\
-2 & 2 \\
5 & 3
\end{array}\right) \quad b=\left(\begin{array}{c}
-1 \\
7 \\
-26
\end{array}\right)
$$

