1. $A = \begin{pmatrix} 1 & 2 & -1 \\ 2 & 0 & 1 \\ 0 & -1 & 4 \end{pmatrix}$

2. $B = \begin{pmatrix} 1 & 2 & -1 & 8 \\ 2 & 4 & 1 & 4 \\ 0 & 0 & 5 & 1 \\ 3 & 6 & 0 & 12 \\ -6 & -12 & 0 & -24 \end{pmatrix}$

3. $D = \begin{pmatrix} 1 & 2 & -1 & 0 \\ 2 & 0 & 1 & 0 \\ 0 & -1 & 4 & 0 \end{pmatrix}$