3)
$$B_2 = \{2, x-1\}$$
 $D_4 = \{(-1, -1), (0, 0), (1, 1), (2, 8)\}$
 $y = f(x) = nx + 6$
 $f(-1) = -m + 6 = -1$
 $f(1) = m + 6 = 1$
 $f(2) = 2m + 6 = 8$

A = B has No solution

Least squares:

X*

ATA X* = ATB

AT = \begin{array}{c|c}
-1 & 0 & 1 & 2 \\
1 & 1 & 1 & 1 & 1 \\
2 & 1 & 2 & 1 & 3 \\
2 & 4 & 3 & 2 & 3/5

\end{array}

\[
\begin{array}{c|c}
A = \begin{array}{c|c}