Ques: Using QM method identify all PIs for the following expression:

$f(A, B, C, D) = \Sigma(1, 3, 4, 5, 9, 10, 11)$

$d(A, B, C, D) = \Sigma(6, 8)$

Ques: (Row and Column Dominance) Consider the PI chart shown below:

PI	m1	m3	m4	m5	m12	m13
PI 1 (A'B'D)	✓	✓				
PI 2 (A'C'D)	✓			✓		
PI 3 (A'B'C')			✓	✓		
PI 4 (B'C'D')			✓		✓	✓
PI 6 (B'CD)		✓				
PI 7 (BD)				✓		✓
PI 8 (AB)					✓	✓

a) Identify row dominance and redundancy to eliminate rows
b) Identify column dominance and redundancy to eliminate columns
c) Iterate and obtain the minimal expression