

Question 1.

One: [1 2 3 4 5 6 7 8 9 10]

rank 1 shape 1x10

Two: [(1,0) (1,1) (1,2)]
[(2,0) (2,1) (2,2)]

rank 2 shape 2x3

Three: [(1,0,1) (-1,1,2)]
[(1,2,1) (-1,2,2)]
[(1,3,1) (-1,3,2)]
[(0,1,1) (0,1,2)]
[(0,2,1) (0,2,2)]
[(0,3,1) (0,3,2)]
[(1,1,1) (1,1,2)]
[(1,2,1) (1,2,2)]
[(1,3,1) (1,3,2)]

rank 3 shape 3x3x2

Four: [(0,1) (0,2) (0,3)]
[(1,1) (1,2) (1,3)]

rank 2 shape 2x3

obviously, array Two and Four are uninformative!