1. C = {1, 3, 6} . A = {2, 4, 18} e B {3, 5, 8}

produto cartesiano = (1, 2, 3), (1, 2, 5), (1, 2, 8)
(1, 4, 3) (1, 4, 5) (1, 4, 8) (1, 18, 3)
(1, 18, 5) (1, 18, 8) (3, 2, 3) (3, 2, 5)
(3, 2, 8) (3, 4, 3) (3, 4, 5) (3, 4, 8)
(3, 18, 3) (3, 18, 5) (3, 18, 8) (6, 2, 3)
(6, 2, 5) (6, 2, 8) (6, 4, 3) (6, 4, 5)
(6, 4, 8) (6, 18, 3) (6, 18, 5) (6, 18, 8)

Cardinalidade = 3 x 3 x 3 = 27

2. A {11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35} = Cardinalidade = 13

B {Salvador, Fortaleza, São Luís, João Pessoa, Recife, Maceió, Aracaju, Natal, Teresina} = Cardinalidade = 9

C = ∅ = Cardinalidade = 0

D = {0, 1, 4, 9, 16, 25, 36, 49, 64, 81, 100} = Cardinalidade = 11

E = {f, v, s, z, x, j} = cardinalidade = 6

F = {2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97} Cardinalidade = 25