CPSC 359 Final Exam Question 1

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a) Determine the input and output variables, and assigning letter symbols to the variables:

There are three input variables:

- z: the "ones"
- y: the "twos"
- **x**: the "fours"

There are three output variables:

- A: the "ones"
- **B**: the "twos"
- **C**: the "fours"

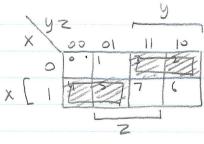
b) Create a truth table

X	y	2	EA	В	C
0	0	0	10	-	0
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0		and the second second		0	l
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-	0	***************************************		hery P ₁ , herout P has y	1
١	1	0	0	0	0
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	1				

c) Find the simplified functions of each output using the map. method:

Find the simplified function of A:

$$A = \times y' + \times' y$$



Find the simplified function of B:

