EXERCISE OF WEEK THREE

Exercise. In the model

	x	y	z	A	B	C	D	E
x	1	0	0	1	0	1	1	0
y	0	0	1	0	1	1	1	0
z	0	1	0	1	1	0	1	0
A	0	0	0	0	0	0	0	0
B	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0

List all the

(a) sets
(b) proper classes
(c) singletons
(d) pairs which are not singletons
(e) the universal class $\mathscr{U}$
(f) the empty class $\varnothing$

for each of the given property $P(x)$, what is $\{x \mid P(x)\}$?

(1) $P(x) : x \subseteq A$
(2) $P(x) : x \subseteq B$
(3) $C \cap A$.