CS 278 Lab 7 3.2.1 h) {2,43 € X i) {2,33 6 X False 5) EZ,33 EX False k) X = 7 False 3.2.2 b) {1,23=A P(A) = 20, 213, 223, 21, 233 6) Let A= 21, 2,33. Whis EXEP(A): ZEX} 3.2.4 P(A) = \(\delta \), \(\frac{13}{23}, \{23}, \{1, 23}, \{1, 33}, \{23, 33}, \\
\(\ext{E1}, 2, 33 \) \(\frac{2}{33}, \\ \ext{E1}, \\ \ext{E33}, \\ \ext{E1}, \\ \ X= 6 223, 81,23, 82,33, 81,2,333 3.2.5 b) Ø C P(x) true D) E03 C P(x) More information needed ... If X= Ø, then False because P(x) only has & otherise true.

E) | b(x) = 0 False, power set will always have at least of in the set, so it is never coupty c) $P(\emptyset) = \{\emptyset\}$ $P(P(\emptyset)) = \{\emptyset\}$ $P(P(P(\emptyset))) = \{\emptyset\}$ $P(P(P(\emptyset))) = \{\emptyset\}$ $P(P(P(\emptyset))) = \{\emptyset\}$ 3.2.6 0