

0.

All Done! Survey finished, iclicker registered, piazza is working, submitting this on gradescope.

1.

- a) True
- b) False, $P(A) = \{ \{ \}, \{0\}, \{1\}, \{2\}, \{0,1\}, \{0,2\}, \{1,2\}, \{0,1,2\} \}$.
- c) True, as $B^c = \{0, 1, 2, c\}$
- d) True
- e) True

2.

- a) $\neg A, L_{\neg A}$ (Second and fourth sets)
- b) \neq
- c) \emptyset
- d) \emptyset
- e) **ERROR**

3.

- a) **5**
- b) **4**
- c) **ERROR**
- d) **b**
- e) **3**

4.

- a) No
- b) No
- c) No
- d) Yes
- e) Yes