

Discrete. Spring 20 Quiz 8. Name _____ Time _____

Show all work for full or partial credit.

1.

Given $\mathcal{U} = \{5, 4, 7, 9, 10, 15\}$; $A = \{7, 9, 10\}$; and $B = \{5, 4, 7, 10\}$. Find the following:

- $B - A$

- $A - B$

- \overline{B}

- Given that \mathcal{U} is the universe, find and write out the set $\overline{B \cap (\overline{B} \cup A)}$.

- Given that \mathcal{U} is the universe, find and write out the set $\overline{\overline{(A \cap B)} \cap \overline{B}}$.

- Find and write out the set $\overline{A} - (\overline{B} \cap A)$.