
September 6, 2018

Score _____

1. (1 point) If U is the set of natural numbers and $A = \{4, 6, 8, 10, 12, \dots\}$, find A' .

2. (1 point) Let $U = \{2, 3, 5, 7, 9, 11, 13, 17, 19\}$ and $D = \{2, 3, 5\}$. Find D' .

3. (3 points) Let $U = \{11, 12, 13, 14, 15, 16, 17, 18, 19, 20\}$, $A = \{14, 15, 16, 17\}$, and $C = \{12, 14, 15, 19, 20\}$. Find each of the following.

(a) $A \cup C$

(b) $(A \cup C)'$

(c) $A' \cup C'$