CL1: Reading Quiz

Due Sep 11 at 11:59pm **Points** 3 **Questions** 3 **Available** until Dec 14 at 11:59pm
Time Limit None **Allowed Attempts** Unlimited

This quiz was locked Dec 14 at 11:59pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	11,450 minutes	3 out of 3

⚠ Correct answers are hidden.

Score for this attempt: **3** out of 3
Submitted Sep 16 at 11:47am
This attempt took 11,450 minutes.

Before starting this quiz, note that in Boolean algebra, putting an apostrophe next to something is notationally equivalent to putting a horizontal bar above that thing. This quiz/exercise set will use apostrophes instead of horizontal bars. Below are some examples of things that are notationally equivalent.

A' = $\overline{A}$

(AB)' = $\overline{AB}$

A'B' = $\overline{A}\ \overline{B}$

Note that in the last example, the expression is "not A and not B", whereas in the middle example, the expression is "not (A and B)".

Question 1

1 / 1 pts

Suppose you have the following two conditions, each of which might be true or false:

(1) You went to school.

(2) You did your homework.

Suppose condition (1) is represented by the variable A, and condition (2) is represented by the variable B. Which of the following Boolean expressions correctly represents the statement below?

You either went to school or did your homework.

- A'B
- B - A
- A + B
- AB

Question 2

1 / 1 pts

In Boolean algebra, which of the following expressions is equivalent to the expression below?

A + 1

- A'
- 0
- 1
- A

Question 3

1 / 1 pts

In Boolean algebra, which of the following expressions is equivalent to the expression below?

(A + B)'

- AB'
- A + B'
- A'B'
- A' + B'

Quiz Score: **3** out of 3