1. x + (x â—□ y) = x is an example of which theorem?

Absorption

2. For x = 1, y = 1 and z = 0; what is the value of = (x' + y + z') â€¢ (x' + y' + z) â€¢ (y' + z')

1

3. x + x = x is an example of which theorem?

Idempotent

4. The decimal value of the BCD 100001110101 is?

875

5. A _____ is a sum term that contains all the variables used in the function.

maxterm

6. Which option is a representation of DeMorgans's theorem?

(x + y)' = x' â—□ y'

7. What is the value of the binary addition 101 + 110 in decimal?

11

8. A _____ is a product term that contains all the variables used in a function.

minterm

9. Which option is true when two switches are connected in series?

both switches have to be on for the output to be 1

10. Which logical operator has the same output as two switches in parallel?

OR