# Supplemental Materials

1) The values for variables x, y, and z are:

x = 0, y = 1, z = 1

Select the Boolean expression that evaluates to 1.

a.

b.

c.

d.

2) Select the Boolean expression that is equivalent to the function defined in the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| x | y | z | f(x, y, z) |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |

a.

b.

c.

d.

3) Select the description that characterizes the Boolean expression:

a. Neither CNF nor DNF

b. CNF, but not DNF

c. DNF, but not CNF

d. CNF and DNF

4) Select the description that characterizes the Boolean expression:

a. Neither CNF nor DNF

b. CNF, but not DNF

c. DNF, but not CNF

d. CNF and DNF

5) Select the expression that is equivalent to .

a.

b.

c.

d.