

H.W. #8 CpE 100 Spring 2021

Show your work for credit (!) and put a box around each of your answers!

1. Using a Karnaugh map simplify each of the following Boolean equations. (2 points)
 - a. $Z = \bar{A}\bar{B}C + A\bar{B}C$
 - b. $Z = ABC\bar{D} + \overline{ABCD} + \overline{(A + B + C + D)}$
 - c. $Z = AB + \bar{A}BC$
 - d. $Z = ABC\bar{B}$
2. Work exercise 2.18 from the book and then simulate the simple combinational circuit implementation you come up with. (4 points)