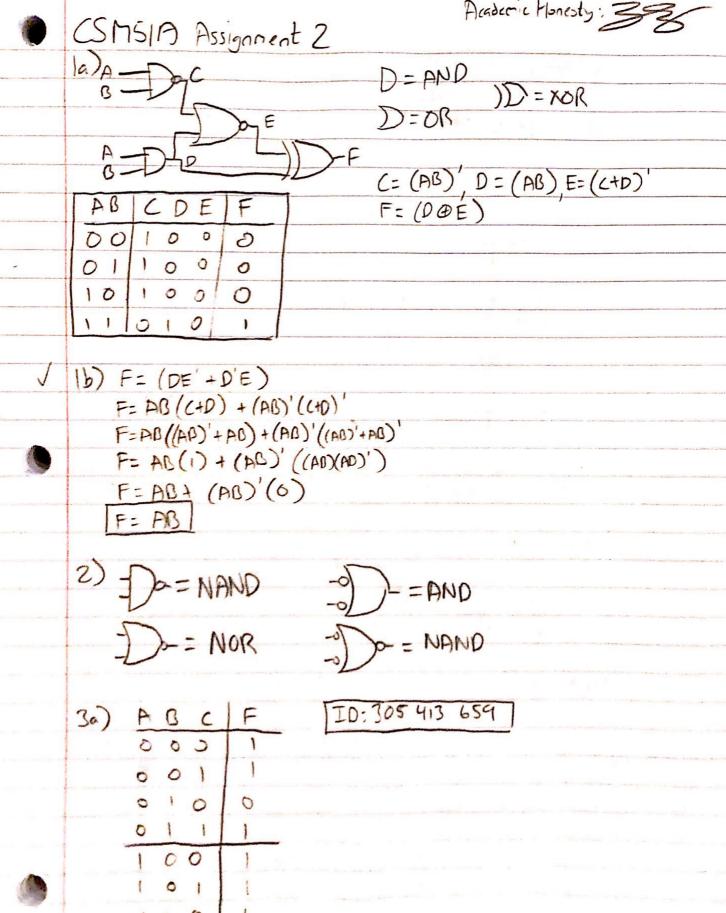
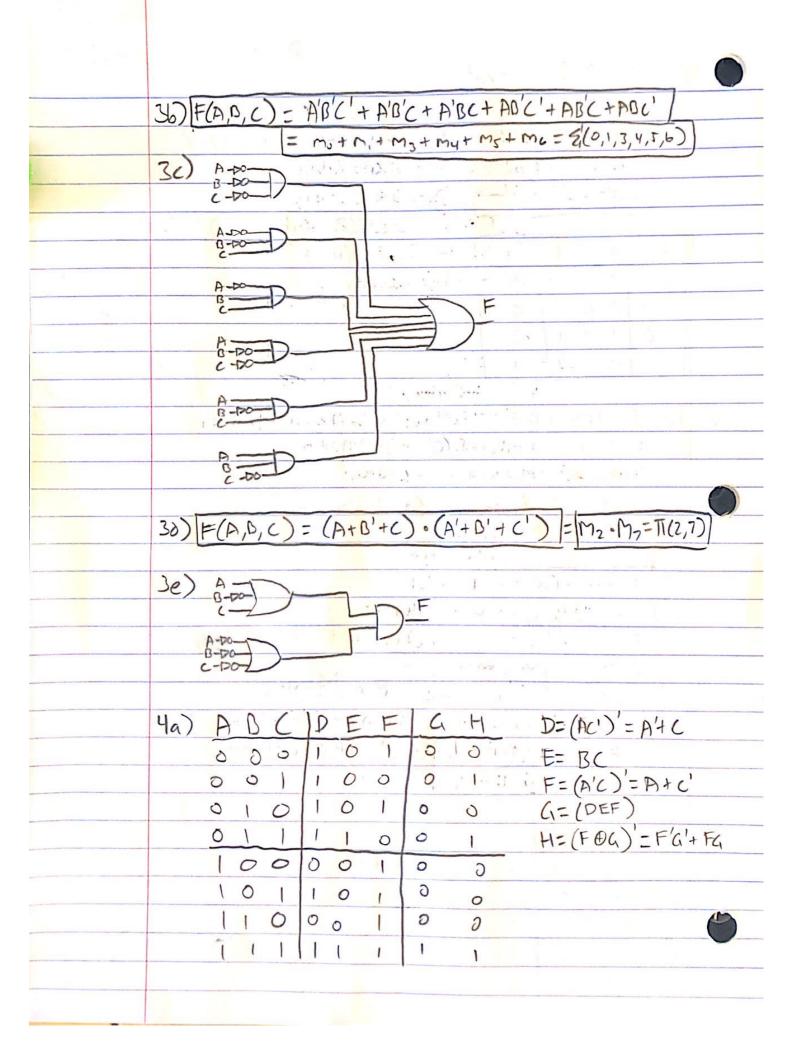
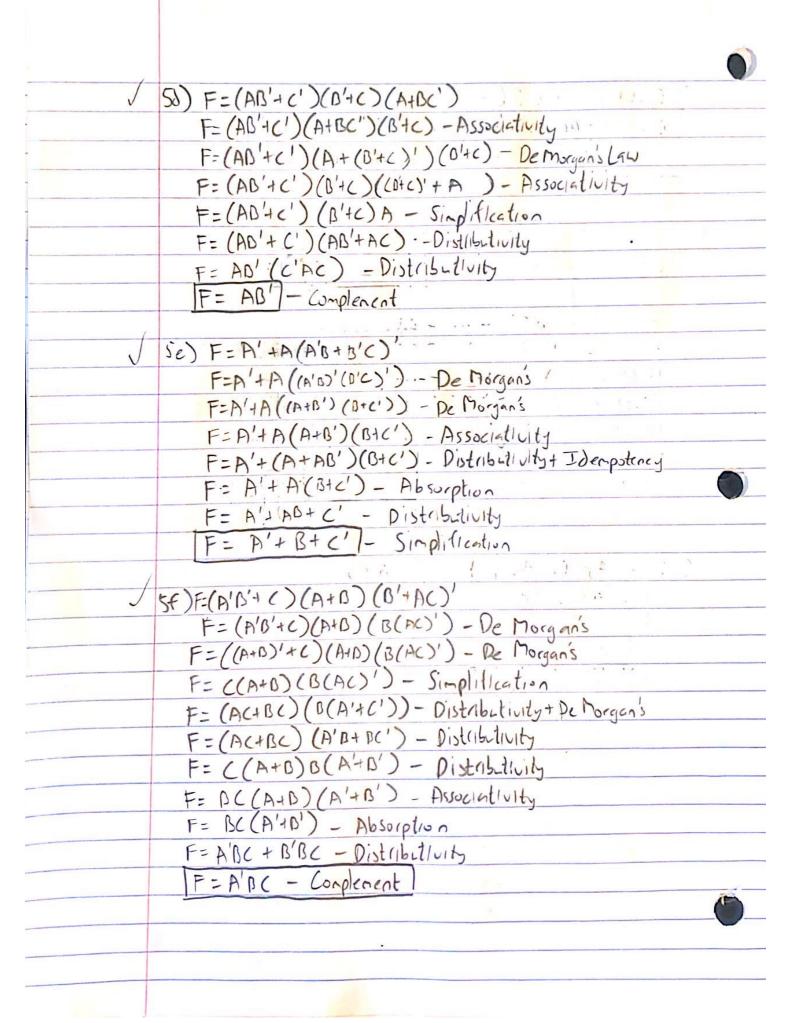
Academic Honesty: 33





46) G = DEF G= (A'+C)(BC)(A+C') - Substitute G=(A'DC+BCC)(A+C') - Distributivity G = (A'BC+BC)(A+C') - Idempolency G= BC(A'+1)(A+C') - Distributivity G= B((1)(A+c') - Identity CI = AOC+ABCC' - Distributionly - Complement : H= F'a' + Fa J-Substitute H=F'(ADC)'+F(ABC) H=(A+C')(ADC)+(A+C')(ADC) H= (A+C+ABC)' + AABC+ABCC' - De Morgan's + Distributivity H= (A+C')'+AABC+ABCC' - Absorption H= (A+C') + AOC+O - Idempotency H= A'(+ADC - De Morgan's H= C(A'+AD) - Distributivity H= A'C+BC - Simplification 1 (Sa) F=AB +ABC+A'+D' +BC F = AB+A'+ B' +BC - Absorption F = A'+D+D'+BC - Simplification F=11- Conplement 56) F=A+A'B+A'B'C+A'B'C'D+A'B'C'D'E F= A+D+ A'B'C+ A'B'C'D+ A'B'C'D'E - Simplification F=A+O+C+A'B'C'D+A'B'C'D'E-Simplification F= A+O+C+D+E/- Simplification Sc) F= A'B' + AD + A'B F=A'B' + B/A+A') - Distributivity F=A'B'+B- Complement F= A'+ B - Simplification



```
(6) E(A,0)= (A+B') (A'+B')
    E(A,D)= (A(A'+B') + B'(A'+B')) - Distribulivity
     E(A,B) = (AA'+AB'+A'B'+3'D') - Distribulling
    E(A,B) = (AB'+A'B'+B') - Complement
     E(A,B) = AB' + A'B' + (A+A')B'
     E(A,0) = AB' + A'B' + AB' + A'B'
     E(A,B) = AB'+ A'B' | = Mo +1M2 = 2(0,2)
 7) E(A,B,C) = A'B'C'+A'BC'+ AB'C+ABC
    E(A,B,C) = A'C' (B'+B) + AC(B'+B) - Distributivity
     E(A,D,C) = A'C' + AC -- Complement of Minima
    E(A, B, C) = (A'C'+A)(A'C'+C) - Distributivity.
    E(A,D,C) = (A+C')(A'+C) - Simplification
    E(A,B,C)=(A+BO'+C')(A'+BO'+C)

E(A,B,C)=(A+B+C')(A+B'+C')(A'+B+C)(A'+D'+C)
    E(A,B,C)= M, . M3 . M4 . M6 = TT(1,3,4,6)
 80)
       A, Ao
                                 AZB
                  0
          0
                        0
              0
                       0
```

