

# Boolean Algebra Worksheet

Basic laws, absorption & DeMorgan

1. MR MADRID

11.  $MNP + QR + MN$

2. MR MADRID

12.  $D(DX + CD)$

3.  $(A + B + C)AB + AB$

13.  $F+G F+G+D$

4. ICT IS FUN

14.  $U+V+W + VW$

5.  $ABC + ABC$

15.  $(G+K)(L+K)(NP)$

6.  $WX(Y+Z)$

16.  $BE + CUZ$

7.  $A(A+BCD)$

17.  $AB + A(B+C) + B(B+C)$

8.  $(DEA + B)(EDA + B)(D + EBA)$

18.  $J + JK + JK + K$

9.  $Y(W + X+Y + Z)Z$

19.  $ABSEKBFC + F$

10.  $H+JL$

20.  $W+H+Y(BE+WHY)$