VARIABLE PUZZLES - B   *ANSWERS*

EACH PROBLEM HAS 5 LETTERS WHICH CAN EQUAL A COUNTING NUMBER UP TO 5, BUT NO LETTERS CAN EQUAL
THE SAME NUMBER. IN OTHER WORDS, IF D = 3 THAN NONE OF THE OTHER LETTERS CAN EQUAL 3. YOUR GOAL IS
TO USE THE EQUATIONS AND GRIDS TO HELP FIGURE OUT WHAT EACH LETTER EQUALS.

THE EQUATIONS HAVE CLUES ON WHAT EACH VARIABLE (LETTER) EQUALS. USE THE GRID
TO HELP FIGURE OUT WHAT EACH ONE REPRESENTS. USE "N" FOR NO AND "Y" FOR YES.

PROBLEM #1

1. $B - E = 1$
2. $A + B + C = B + B$
3. $D + A = 3$

	1	2	3	4	5
A	N	Y	N	N	N
B	N	N	N	N	Y
C	N	N	Y	N	N
D	Y	N	N	N	N
E	N	N	N	Y	N

PROBLEM #2

1. $D + A = C$
2. $B + A = 6$
3. $D + C + A = 8$

	1	2	3	4	5
A	Y	N	N	N	N
B	N	N	N	N	Y
C	N	N	N	Y	N
D	N	N	Y	N	N
E	N	Y	N	N	N

PROBLEM #3

1. $E = A - D$
2. $B + D = 3$
3. $E + E + D = 7$

	1	2	3	4	5
A	N	N	N	Y	N
B	N	Y	N	N	N
C	N	N	N	N	Y
D	Y	N	N	N	N
E	N	N	Y	N	N