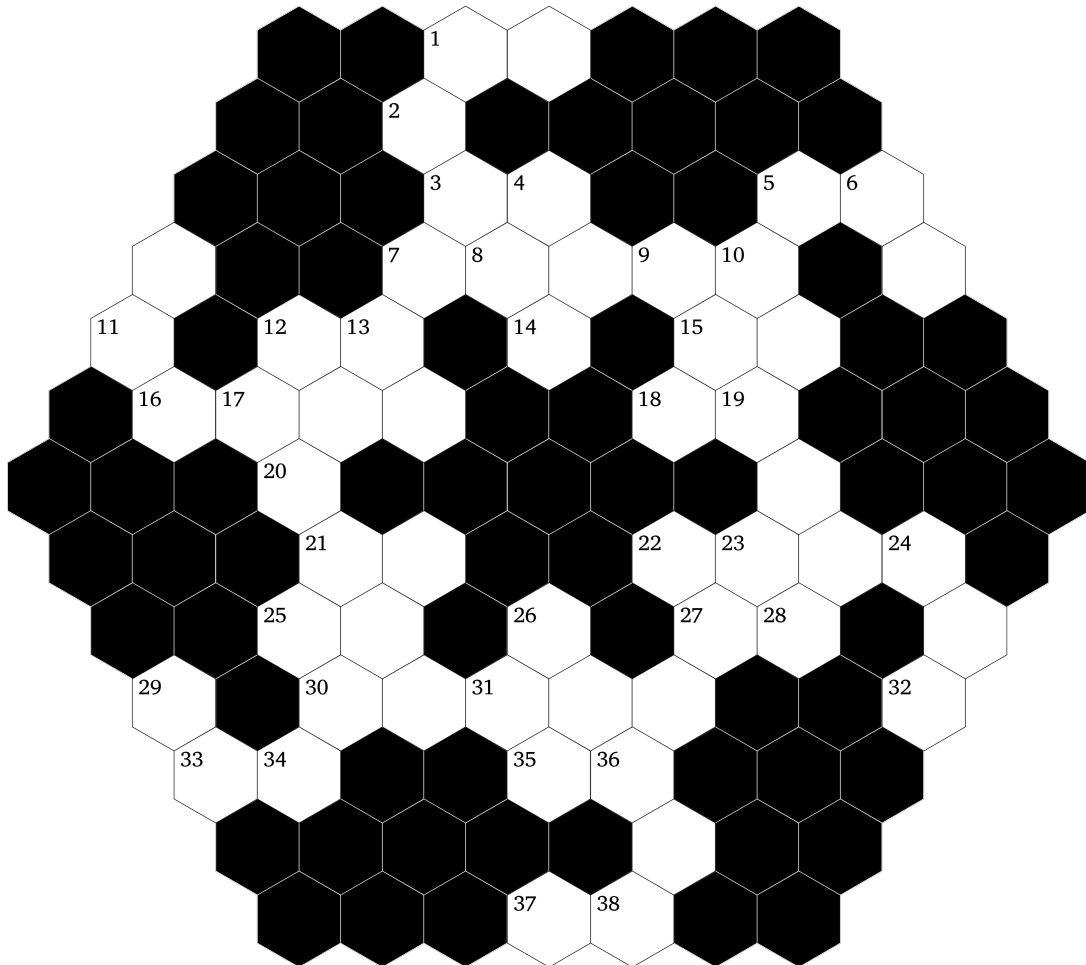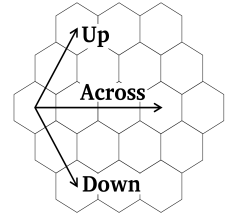# TripleCross - Hard Puzzle #26

This puzzle is like a crossword, but with numbers. Each digit occupies a hexagonal cell and can be a part of a "word" in the across, up, and down directions.

Rules:
1. "Words" may not start with a zero.
2. "Words" in the 'across' direction read from left to right.
3. "Words" in the 'up' direction read along the upward diagonal to the right.
4. "Words" in the 'down' direction read along the downward diagonal to the right.
5. There is one unique solution which satisfies all the clues given below.
6. Some "words" may not have clues. They will be determined by the "words" which intersect them.

Across

1 29 down minus 22 down
3 11 down plus 27 across
5 22 across divided by 37 across
7 A prime number
12 33 across minus 28 up
15 4 down minus half of 28 up
16 Twice the result of 34 up minus 22 down
18 35 up plus 21 across
21 33 across minus 14 up
22 Twenty-nine times a square
25 11 up minus 13 down
27 14 up minus 25 down
30 Thirteen thousand eight hundred thirty-six more than 36 up
33 35 up minus 31 down
35 Mean of 6 down and 33 across
37 Mean of 3 across and 8 up

Up

2 Mean of 1 across and 14 up
8 25 up plus 31 down
11 A prime number
14 A square
17 38 up minus 37 across
18 Forty-one times a prime number
19 35 up minus 11 up
20 One thousand two hundred eighty more than 9 down
25 27 across minus 17 up
28 29 down minus 12 down
31 35 across minus 11 up
32 17 down minus half of 36 up
34 A prime number
35 23 down plus 25 down
36 Nine thousand one hundred fifty-two more than 9 down
38 Mean of 15 across and 10 down

Down

2 Sixteen times a prime number
4 Mean of 18 across and 6 down
6 Twice the result of 12 across plus 25 across
9 Eight times a prime number
10 26 down divided by 29 down
11 Mean of 3 across and 17 up
12 6 down minus 37 across
13 Mean of 31 down and 23 down
17 Mean of 19 up and 36 up
22 19 up plus 27 across
23 35 across minus 25 up
24 Same as 13 down
25 A square
26 Last two digits are the same as 13 down
29 6 down minus 19 up
31 Sum of digits in 2 down

Solution: