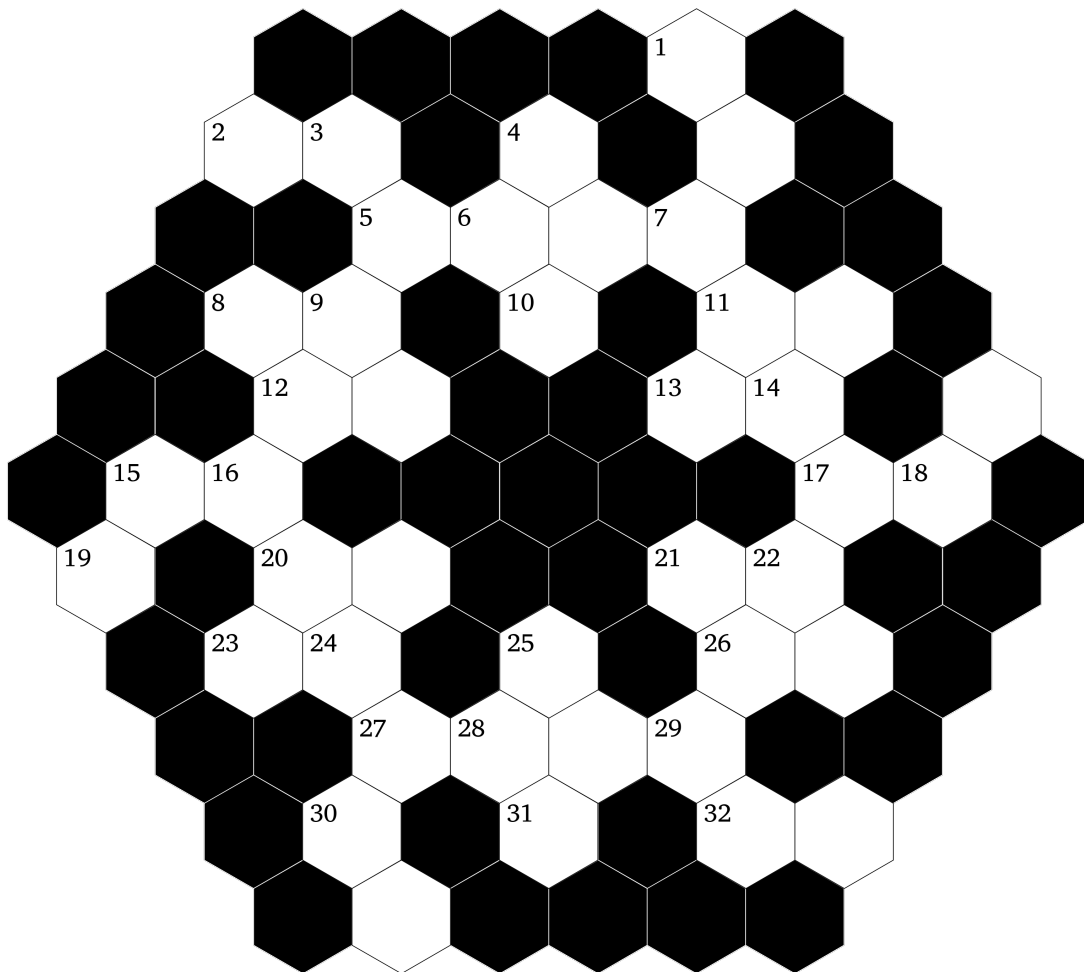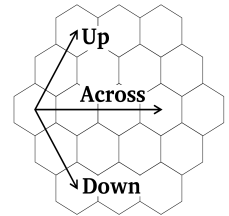# TripleCross - Challenging Puzzle #18

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

2 Mean of 6 up and 1 down
5 Forty-three times a prime number
8 30 down minus 21 down
11 28 down plus 12 across
12 Mean of 13 up and 9 down
13 A square
15 28 down plus 13 up
17 Same as 7 up
20 19 up minus 1 down
21 Mean of 11 across and 13 up
23 Mean of 32 across and 23 up
26 Mean of 28 down and 13 across
27 A square
32 30 up minus 25 down

Up

6 19 up plus 25 down
7 30 down minus 28 up
10 24 up plus 28 down
13 30 down minus 23 across
14 11 across minus 25 down
16 A prime number
18 Mean of 6 up and 30 up
19 28 down plus 21 across
23 28 down reversed
24 8 down minus 28 down
28 14 up minus 4 down
29 Three times a prime number
30 Mean of 30 down and 6 down
31 Twice the result of 6 down minus 15 across

Down

1 6 up reversed
3 Mean of 21 across and 30 up
4 Mean of 20 across and 22 down
6 11 across plus 25 down
7 Nine times a prime number
8 Mean of 21 down and 2 across
9 3 down plus half of 13 across
16 Fourteen times a prime number
21 18 up minus 21 across
22 Twice the result of 17 across minus 12 across
25 20 across minus 13 across
28 32 across reversed
29 4 down plus 10 up
30 8 down plus 15 across

Solution: