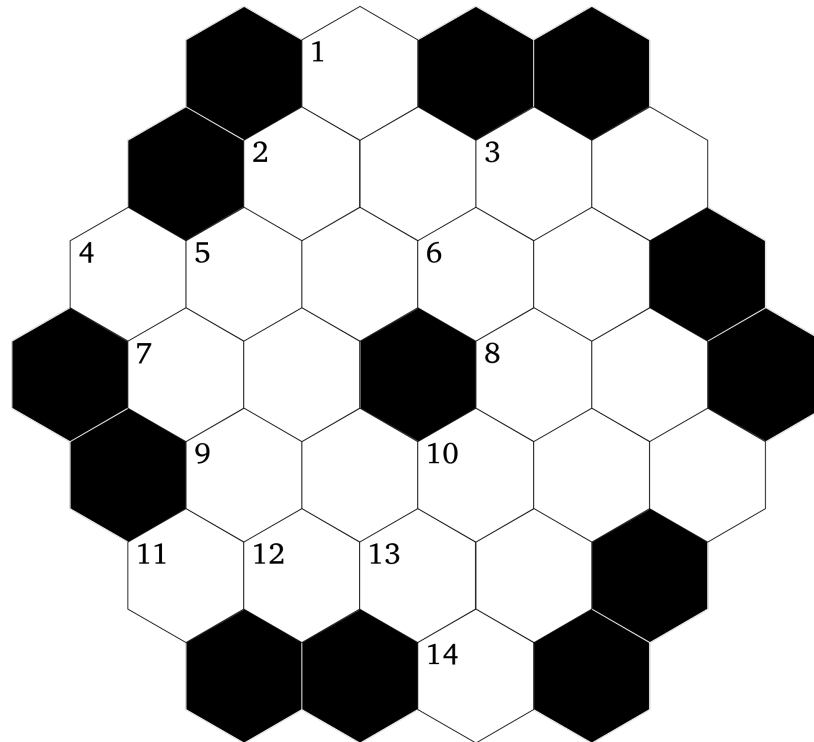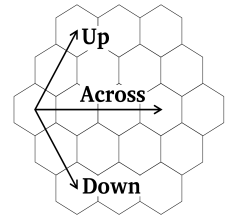# TripleCross - Intermediate Puzzle #75

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 Half of 5 down, then subtract 9 across
4 A prime number
7 Twice a square
8 Six times a prime number
9 Twenty times a prime number
11 First two digits are the same as first two digits of 11 up

Up
6 Same as 8 across
7 Seven times a prime number
11 Fifty-six times a prime number
12 Twice a square
13 Thirteen times a prime number
14 Four hundred eighty-nine less than 4 down

Down
1 13 up plus half of 7 across
2 Half of 11 across, then subtract 14 up
3 Forty times a prime number
4 First two digits are the same as first two digits of 4 across
5 Twice a prime number
10 Two-fifths of 7 across

Solution: