22. Plus or Minus Kakuro - 35 points; 5 bonus points

Enter a single signed digit from 1 to 9 (or -1 to -9) into each empty square so that the sum of the numbers in each Across and Down answer equals the value given to the left or above, respectively. No digit (ignoring sign) is repeated within a single answer. If a clue sum is in a black region, then all corresponding digits have the same sign; if the clue sum is in a gray region, then the corresponding digits have mixed sign.

Answer: Enter the nine digits in the top row, followed by the nine digits in the bottom row (ignoring sign).