LiL 'DIRECTED NUMBERS' MYSTERY

There is a 3 x 3 grid of integers with one number in each grid square.

Use the cards to decide which number lies in each grid square.

No number is bigger than 6 or smaller than -5.	There are two equal positive numbers.	There are two equal negative numbers.
The largest number is in the centre square.	The sum of the totals of the three rows is zero.	The sum of the totals of the three columns is zero.
The middle row adds up to the same total as the diagonal from top right to bottom left.	The top row adds up to the same total as the diagonal from top left to bottom right.	The difference between the largest and smallest numbers is 11.
There are an equal number of positive and negative numbers.	The difference between the number in the centre square and that in the bottom right is 8.	The right hand column contains two numbers the same and adds up to -3.
The two 3s do not lie in the same row or column.	The bottom row contains no odd numbers.	Numbers in the top row are all different and are all odd.
The smallest number occupies a corner square.	The smallest number is opposite one of the two equal negative numbers.	