

### PROBLEM (Part 1)

At each coordinate  $[\rightarrow x, \searrow y]$ , write the value of  $N(x+yw)$  inside its circle.  
Feel free to use your own paper,  
but please don't use the computer  
until you've done this by hand.

Hint: Remember

$$N(x+yw) = x^2 + y^2 - xy$$

