recall, N=P + q

Correct response

mrong responce

(orrect!

in this step you must

● now it's time for encryption:

recall, your public key = (N, e)

with your numbers its: (N, e)

you have picked the message message to encrypt.

to compute the ciprortext, we will use the following

formula: C= me mod N

C=

correct!

First compute m^e C will be the remainder of the division m^e/N

Now that encryption is done. Let's see now Bob would accrypt the message:

to find scoret exponent dive must first make sure

\$\text{\$ is correct. recall \$\phi = (P-1)(q-1)\$} Dis the result of multiplying (P-1) \$ (9-1) make sure your calculations are correct! I now that we know o, let's find the secret exponented recall 1<d<0 \$ ed=1 mod 0 d = [> we are looking for a d such that obdivides ed-1. · last step! let's decrypt! to decrypt the ciphertext into plain text, we use the following formula: m'= cd mod N m:i First calculate cd. correct! then find the remainder you've learned the of the division: Ca RSA cryptosystem!