Bob's public RSA key is $(285869, 7)$ and your RSA values are $p = 521, q = 571, e = 11$

1. Which if the following, if any, are valid RSA signatures from Bob?

    $x = 132136, sig(x) = 184316$

    $x = 132136, sig(x) = 176860$

    $x = 221821, sig(x) = 250076$

2. Suppose you want to send the message $x = 34372$ to Bob.
   Encrypt it using Bob's public RSA key and sign it using your RSA values.
   What do you send to Bob?