1. List 4 component of the Public Key Infrastructure (PKI).

1. _____
2. _____
3. _____
4. _____

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2. Correct the text so that the following statements are true

For two parties to communicate securely using asymmetric encryption, the process is as follows: the $\begin{pmatrix}\text{public keys}\\\text{secret keys}\end{pmatrix}$ keys are exchanged between the 2 parties. Person 1 encrypts the message they wish to send using person 2's the $\begin{pmatrix}\text{public key}\\\text{private key}\end{pmatrix}$ and sends it to person 2. Person 2 decrypts the message with their the $\begin{pmatrix}\text{public key}\\\text{private key}\end{pmatrix}$.

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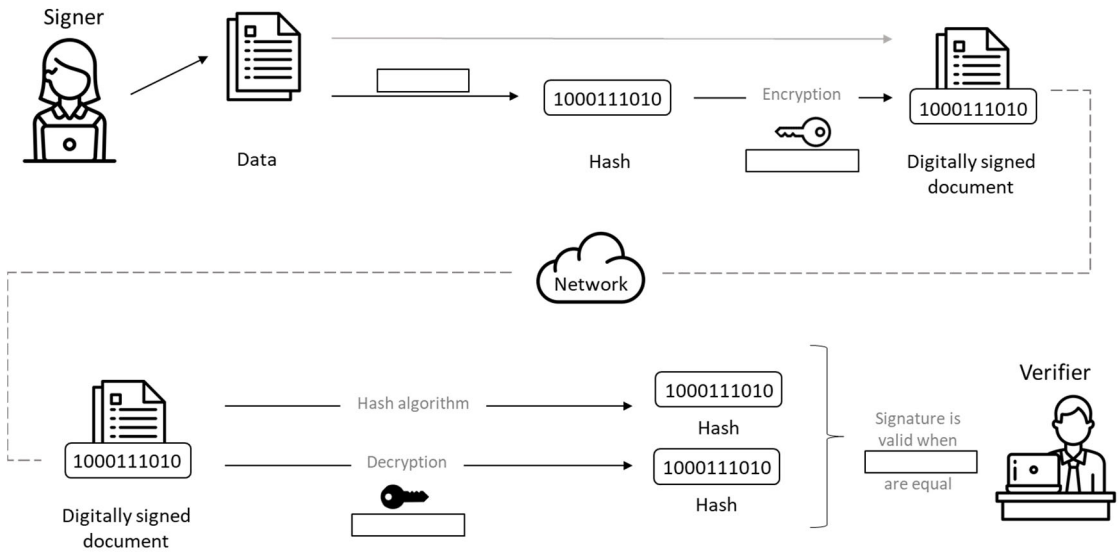
3. Choose correct labels from list and write them into the image to describe the process of digital signing.



Choices: hash algorithm, private key, public key, hash values

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4. Assign the terms from the left column to the corresponding descriptions on the right.

certificate authority (CA)	Someone enrolls for a certificate with this entity
registration authority (RA)	Creates and issues a digital certificate
validation authority (VA)	Structure containing identifying information and a key pair
digital certificate	Check the validity of a digital certificate

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5. The lifecycle of a digital certificate can be explained as follows:

1. _____
2. _____
3. _____
4. _____
5. _____

Erasmus+
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