**Digital Signature**

**Sender**

**Step 1**
Send the message "update servers at midnight".

**Step 3**
Run the message through an MD5 hash generator.

**Step 5**
Send the original message and the encrypted hash to the receiver.

**Receiver**

**Step 4**
The receiver decrypts the encrypted hash with your public key.

**Authenticity and nonrepudiation**

**Step 5**
The receiver takes the hash output and decrypts it using the MD5 algorithm.