Messages

1. Each Bitcoin protocol message is composed of X parts. What are they?
2. The message headers is made out of which field (just their name is enough)
3. Look at the following message and in the bitcoin official documentation, and answer the following question:

f9beb4d976657273696f6e00000000005c000000e5c76be67e1101000000000000000000f64b8558000000000000000000000000312e302e302e37323100000000000000208d0000000000000000312e302e302e37323100000000000000208d96238423000000000645584f4249541ed9060000

1. What type of message is it? (verAck, Tx, version, ping…?)
2. The message is a live-net or test-net message?
3. Break the message to its fields (no need to convert them. Leave them in their hexadecimal form).
4. Draw a timeline representing the handshake process.
5. Write the complete bytecode for verAck message on the live-net (tip, sha256(sha256(empty)) = “5df6e0e2”)