

zkEVM Homework

1. Deploying a contract to Polygon

1. Set up metamask to connect to the test network

- **Network Name:** Polygon zkEVM Testnet
- **RPC URL:** <https://rpc.public.zkevm-test.net>
- **Chain ID:** 1442
- **Currency Symbol:** ETH
- **Block Explorer URL:** <https://explorer.public.zkevm-test.net>

2. Transfer some goerli ETH to your account on polygon zkEVM Testnet using the bridge [bridge interface](#)

The screenshot shows the Polygon zkEVM bridge interface. At the top, it says "polygon zkEVM" and "Ethereum Goerli". Below that, it shows a wallet address "0x0e11 ... 5e12". The main section is titled "Polygon zkEVM testnet" and lists the following details:

- RPC URL: <https://rpc.public.zkevm-test.net>
- Chain ID: 1422
- Currency symbol: ETH
- Block explorer URL: <https://explorer.public.zkevm-test.net>
- L1 Goerli Smart Contract: [0x5e2e663A39205348cE985Bccc9673Ca25AeE727E](#)

Below the details, there are two buttons: "Add to MetaMask" and "Report an issue". A note states: "ETH bridges in the Ethereum Goerli network are limited to 0.25 ETH in early testnet versions". The transfer form shows:

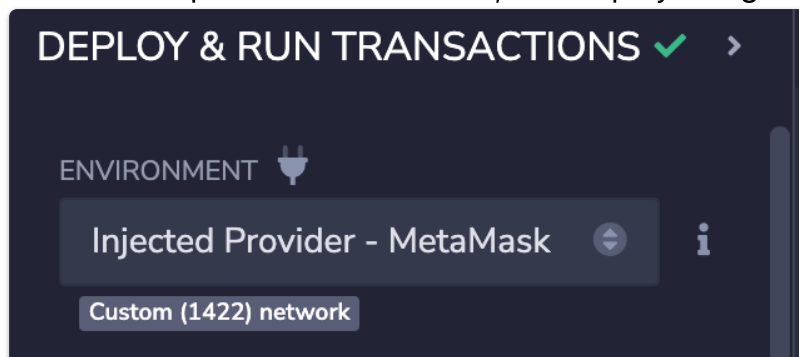
From	Balance
Ethereum Goerli	36.023318 ETH

Below the "From" section, there is a dropdown menu for "ETH" and a "MAX" button. The amount to be transferred is "0.00". A downward arrow indicates the transfer direction. The "To" section shows:

To	Balance
testnet-zkEVM-mango	0.099777 ETH

At the bottom, there is a "Continue" button.

2. Create a simple contract in Remix, and deploy using metamask as the Injected provider.



3. Check your deployment and transactions using the [block explorer](#)

