Problem 1:

a. Transaction ID:
d365bac640b5fbfe55505ea1d77b2b2cdfb505c1cae1af7839532f66a9596bd3
b. transaction fee: 0.0001 BTC, $0.02 USD
c. 9,582.13304127 BTC
d. about 30 minutes. A confirmation happens for every block and blocks take on average 10 minutes so 3x10 = 30 minutes.

Problem 2:

a. bitcoin addresses of other students:
   1. 15j1jdJsMa4vR71gcZ6FCfYeAWJdPwpn7W
   2. 1MzdKiBn5qr8CS1cbts6TQquxsAo52yFKe
   3. 163vXnDXSc2hEKMrWHkERzBJWuuKJve5Nc

b. bitcoin came from transaction
050c90d69f039f61f619e8821a7b4491fdbd8d780b50bc97695a227e04d2b956
and address 19WmbY4nDcjAEv6wb5rcd5E6MutVMXBZzy
for the amount of .1949 BTC on 8-26 at **20:48:48**

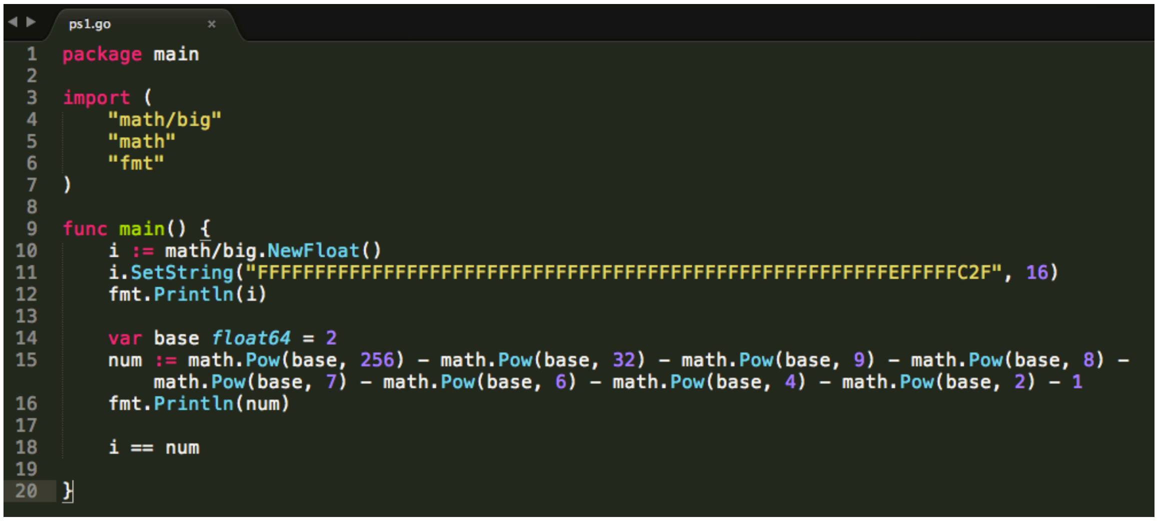
c. from the map on the transaction data it looks like it came from New Jersey

Problem 3:

a. An evil wallet would store your personal private key to a place accessible by the owner of the software. They could then use your key for transactions and hide the data for only those transactions, fooling you into thinking you had more money than actually possessed.

b. I'm confident because it was recommended by my professor… However, I can't personally verify it is safe. If I were to store all my money in here I'd want to have proof that no one other than me can see my private key.

Problem 4:



```
package main

import (
    "math/big"
    "math"
    "fmt"
)

func main() {
    i := math/big.NewFloat()
    i.SetString("FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFEFFFFFC2F", 16)
    fmt.Println(i)

    var base float64 = 2
    num := math.Pow(base, 256) - math.Pow(base, 32) - math.Pow(base, 9) - math.Pow(base, 8) -
        math.Pow(base, 7) - math.Pow(base, 6) - math.Pow(base, 4) - math.Pow(base, 2) - 1
    fmt.Println(num)

    i == num

}
```