A. (8 points)

```
ybzou@cs3233_vm:~/hw6$ ./lab6_1.out 5
The value is: 0.00000
The value is: 0.25000
The value is: 1.00000
The value is: 2.25000
The value is: 4.00000
```

B. (2 points): Answer the following:

a. Which of the calls above are blocking and which are not? Explain what that means?

Blocking Call: connect(), accept(), write(), read()

Non-Bloacking: socket(), bind(), listen(), close()

Blocking means the calling process is in a blocked state, so it won't be scheduled by scheduler till an event move it into a ready queue.

b. Is this a form of direct communications or indirect communications?

Indirect Communication.

c. What is the failure flag returned from connect() that indicates the server is not ready?

The connect() will return -1 and set errno to ECONNREFUSED. When the connect() function failed.

d. How would you change your program to communicate between processes in a different machine?

If we want to communicate between processes in different machine, we need to know the IP address and port number of this process and set the 127.0.0.1 and port number as the IP and Port number we want to connect to.