

a)

```
[1 of 1] Compiling Main (main.hs, main.o)
Linking a.out ...
Enter a list of integers, separated by spaces:
2 4 5 32 5 7 5 3 5 6 8 4 3 4 6 7 -2 -4 -3 -4 -4 -5 -65 -32 -34 -3 4 6 95 38 47 74 -2 -54 -2
The sorted list in descending order is: [95,74,47,38,32,8,7,7,6,6,6,5,5,5,5,4,4,4,4,3,3,2,-2,-2,-2,-3,-3,-4,-4,-4,-5,-32,-34,-54,-65]

...Program finished with exit code 0
Press ENTER to exit console.
```

b)

```
[1 of 1] Compiling Main (main.hs, main.o)
Linking a.out ...
Enter an integer n:
26
The Pythagorean triples are:
3^2 + 4^2 = 5^2
5^2 + 12^2 = 13^2
6^2 + 8^2 = 10^2
7^2 + 24^2 = 25^2
8^2 + 15^2 = 17^2
9^2 + 12^2 = 15^2
10^2 + 24^2 = 26^2
12^2 + 16^2 = 20^2
15^2 + 20^2 = 25^2

...Program finished with exit code 0
Press ENTER to exit console.
```

c)

```
[1 of 1] Compiling Main (main.hs, main.o)
Linking a.out ...
Enter a number:
2
The result is: 16.0

...Program finished with exit code 0
Press ENTER to exit console.
```