6. You are given three IP addresses: 10.1.1.1, 172.16.5.10, and 192.168.1.5.

Task: Identify the class of each IP address (Class A, B, or C). What is the default subnet mask for each class?

Provide the range of IP addresses for each class.

Each class has a specific range:

Class	First IP Address	Last IP Address	Reserved Addresses
Class A	1.0.0.0	126.255.255.255	127.x.x.x is reserved for loopback
Class B	128.0.0.0	191.255.255.255	None
Class C	192.0.0.0	223.255.255.255	None

Thus:

- **10.1.1.1** (Class A) falls in **1.0.0.0 - 126.255.255.255**
- **172.16.5.10** (Class B) falls in **128.0.0.0 - 191.255.255.255**
- **192.168.1.5** (Class C) falls in **192.0.0.0 - 223.255.255.255**

 Final Answer:

IP Address	Class	Default Subnet Mask	IP Range
10.1.1.1	**Class A**	255.0.0.0	1.0.0.0 - 126.255.255.255
172.16.5.10	**Class B**	255.255.0.0	128.0.0.0 - 191.255.255.255
192.168.1.5	**Class C**	255.255.255.0	192.0.0.0 - 223.255.255.255