



The image shows a screenshot of a terminal window within an Oracle VM VirtualBox environment. The terminal title is "Terminal - safi@lightsaber-". The prompt is "safi@lightsaber-virtualbox:~\$". The command entered is "ping 8.8.8.8". The output shows successful ping results for the first seven attempts, with varying response times. The last three attempts (seq=9, 10, 11) result in "Destination Host Unreachable".

```
safi@lightsaber-virtualbox:~$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data:
64 bytes from 8.8.8.8: icmp_seq=1 ttl=255 time=32.8 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=255 time=104 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=255 time=79.1 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=255 time=40.4 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=255 time=42.2 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=255 time=52.3 ms
64 bytes from 8.8.8.8: icmp_seq=7 ttl=255 time=27.2 ms
From 10.0.2.15 icmp_seq=9 Destination Host Unreachable
From 10.0.2.15 icmp_seq=10 Destination Host Unreachable
From 10.0.2.15 icmp_seq=11 Destination Host Unreachable
safi@lightsaber-virtualbox:~$
```

a)