Linux to NETSIM translation guide

This document translates the terms used in the yellow handout into the commands needed in NETSIM

```
modprobe -a ne io=0x300,0x240
```
- Right-click on a card and choose "Install Device Drivers"

```
modprobe -r ne
```
- Right-click on a card and choose "Uninstall Device Drivers"

```
ifconfig eth0 up 10.subnet1.x.y netmask 255.255.0.0
ifconfig eth1 up 10.subnet2.x.y netmask 255.255.0.0
```
- Right-click on a computer, choose the card and select "Edit IP Address"

```
ifconfig eth0 down
ifconfig eth1 down
```
- Right-click on a computer, choose the card and select "Remove IP address"

```
ifconfig
```
- Right-click on a computer and select "List IP Addresses"

```
rpm -ivh /opt/inet/iputils-20000121-2.i386.rpm
rpm -ivh /opt/inet/traceroute-1.4a5-18.i386.rpm
```
- These are not needed, as ping and traceroute are pre-installed

```
ping 10.subnet1.x1.y1
```
- Right-click the computer you want to ping FROM
- Type in the IP address of the computer you want to ping TO and click "PING"

```
ping -b 10.subnet.255.255
```
- Unfortunately, this has not yet been implemented

```
traceroute 10.subnet.x.y
```
- Right-click the computer you want to traceroute FROM
- Type in the IP address of the computer you want to traceroute TO and click "TRACEROUTE"

```
echo 1 > /proc/sys/net/ipv4/ip_forward
```
- Right-click a computer and select "Toggle IP forwarding"

```
cat /proc/sys/net/ipv4/ip_forward
```
- Right-click a computer and see if there is a dot next to the "Toggle IP forwarding" option

```
route add -net 10.subnet.0.0 netmask 255.255.0.0 gw IP-of-gateway
```
- Right-click a computer and chose "Add Explicit Route"

```
route add default gw IP-of-gateway
```
- Right-click a computer and chose "Add Default Route"

```
route
```
- Right-click a computer and chose "View/Edit Routing Table

```
route del 10.subnet.0.0 netmask 255.255.0.0 gw IP-of-gateway
route del default gw IP-of-gateway
```
- Right-click a computer and chose "View/Edit Routing Table