every Linux networking tool I know

ping — "are these computers even connected?"

curl — make any HTTP request you want

httpie — like curl but easier ("http get")

wget — download files

tc — on a linux router: slow down your brother's internet (and much more)

dig/nslookup — what's the IP for that domain? (DNS query)

whois — is this domain registered?

ssh — secure shell ♥

scp — copy files over a SSH connection

rsync — copy only changed files (works over SSH)

ngrep — grep for your network

tcpdump — "show me all packets on port 80!"

wireshark — look at those packets in a GUI

tshark — command line super powerful packet analysis

tcpflow — capture & assemble TCP streams

ifconfig — "what's my IP address?"

route — view & change the route table

ip — replaces ifconfig, route, and more!

arp — see your ARP table

mitmproxy — spy on SSL connections your programs are making

nmap — in ur network scanning ur ports

zenmap — GUI for nmap

p0f — identify OS of hosts connecting to you

openvpn — a VPN

wireguard — a newer VPN

nc — netcat! make TCP connections manually

socat — proxy a TCP socket to a unix domain socket + LOTS MORE

telnet — like ssh but insecure.

ftp/sftp — copy files. sftp does it over SSH.

netstat/ss/lsof/fuser — "what ports are servers using?"

iptables — set up firewalls and NAT!

nftables — new version of iptables

hping3 — construct any TCP packet you want

traceroute/mtr — what servers are on the way to that server?

tcptraceroute — use tcp packets instead of icmp to traceroute

ethtool — manage physical Ethernet connections + network cards

iw/iwconfig — manage wireless network settings (see speed/frequency!)

sysctl — configure Linux kernel's network stack

openssl — do literally anything with SSL certificates

stunnel — make a SSL proxy for an insecure server

iptraf/nethogs/iftop/ntop — see what's using bandwidth

ab/nload/iperf — benchmarking tools

python -m SimpleHTTPServer — serve files from a directory

ipcalc — easily see what 13.21.2.3/25 means

nsenter — enter a container process's network namespace