

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Wireless Networking Tip #3

#### *Improve wireless router signal strength*

Wireless signal strength depends on many environmental factors such as windows, walls, and furniture. Glass does not block the signal. Ideally, place the wireless router in the center of the area you want covered, with as little signal leaking outside the walls as possible.

A High Gain Antenna can increase the strength of outgoing signals and enhance the reception of incoming signals. This added signal strength and sensitivity not only extends the range of your wireless network, but also improves close-range communications reliability by reducing re-transmissions due to weak signal reception errors.

- See Networking Tip #1 for easy ways to reduce or eliminate interference.
- High Gain Antenna Kits have been developed to help increase the effective range of a Linksys home or small business wireless network. The antenna solutions include a High Gain Antenna Kit for TNC Connections (HGA7T) and a High Gain Antenna Kit for SMA Connections (HGA7S). Installation of a High Gain Antenna is easy. Just unscrew the current antenna(s) from your router, access point or bridge and attach the High Gain Antenna.

**Instructions:** Research high gain antennas on the Internet. Find 3 antennas to choose from and the price for each model. Be sure to indicate the source, the model, and the price:

1.

2.

3.