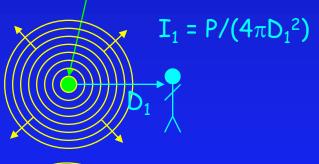
Intensity ACT

• Recall Intensity = P/A. If you are standing 6 meters from a speaker, and you walk towards it until you are 3 meters away, by what factor has the intensity of the sound increased?

1) 2 (2) 4 3) 8

Speaker radiating power P



Area goes as d² so if you are ½ the distance the intensity will increase by a factor of 4

