(12.1) A power amplifier when driven by a current source of 5mA rms and a source resistance of 8 kΩ, delivers 12.5 W signal power to an 8Ω load resistance. Find peak to peak value of the output voltage.
If the input voltage to the amplifier shows 5V rms, determine the voltage gain of the amplifier.
Show how you arrived at your answer.

V_{p-p}

V_{p-p} = 56.56 OR 28.28 OR 14.68 OR 20.28

V_o/V_i

V_o/V_i = 3 v/v OR 1.2 v/v OR 3.2 v/v OR 2 v/v