Special Problem II.A-2

In the lab, we measure the input power and the output power of an amplifier, and get the following values:

P_{in}	P_{out}
-40 dBm	-20 dBm
-30 dBm	-10 dBm
-20 dBm	0 dBm
-10 dBm	10 dBm
-9 dBm	11 dBm
-8 dBm	11.9 dBm
-7 dBm	12.6 dBm
-6 dBm	13.0 dBm
-5 dBm	13.2 dBm
-4 dBm	13.3 dBm
-3 dBm	13.3 dBm

a)   What is the gain of this amp?
b)   What is its 1 dB compression point?