## Special Problem II.B-8

An amplifier is followed be a 13 dB attenuator, as shown below.

The amplifier has a gain of 10 dB, and a noise figure of 3 dB.

- a) Determine the **system** noise figure (i.e., the noise figure of the amplifier/attenuator **combination**).
- b) Determine the spectral power density of the noise at the output of the attenuator.

