Example:

1- A containing 2 g/l of a light absorbing compound in a 1 cm cuvette. Transmitted 75% of the incident light at 540 nm. Calculate the transmission of the solution containing 4 g/l of absorbing compound.

2- A substance with a Mwt = 250 and $a_s = 0.0625$ what is its molar absorption coefficient.

3- A solution has a concentration $= 10^{-5}$ M ATP has a transmittance $= 70.2\%$ at 260 nm and path length $= 1$ cm. Calculate the transmittance if $L = 3$ cm and the absorption in the 1 cm and 3 cm cuvettes each.