$\mathrm{I}=$ Intensity
$\mathrm{I}_{0}=$ Intensity with no object
$\mu=$ attenuation coefficient (depends upon material and x-ray energy)
$1=$ length of the x-ray path.
1.) If you were given the above formula and the information for each situation below, solve each problem.
a.) $\quad I=88$
$\mathrm{I}_{0}=100$
$\mu=.4213$
$1=.3034$
b.) $\quad I=26.6769$
$\mathrm{I}_{0}=30$
$\mu=.2348$
$1=.5$
c.) $\quad I=45$
$\mathrm{I}_{0}=36.2754$
$\mu=.3421$
$1=.63$
d.) $\quad I=32$
$\mathrm{I}_{0}=35$
$\mu=.2560$
$1=.35$

