

February 24, 2014
Ex 3) Borrowing: A small corporation borrowed \$775,000 to expand its software line. Some of the money was borrowed at $8 \%$, some at $9 \%$, and some at $10 \%$. How much was borrowed at each rate if the annual interest was $\$ 67,000$ and the amount borrowed at $8 \%$ was four times the amount borrowed at $10 \%$ ?
$x=9$ mount at $8 \%$
$y=$ amountat $9 \%$
$z=9$ mount at $10 \%$

$$
\begin{gathered}
x=4 z \\
x+y+z=775,000 \\
0.08 x+0.09 y+0.1 z=67,000
\end{gathered}
$$

