For full-time students at Weeflunky College (taking 12 to 20 hrs), the tuition $T$ is a linear function of hours taken $x$. Two measurements are as follows:

For 13 hrs, the tuition is $4875.50.
For 16 hrs, the tuition is $5925.50.

(a) Write the full-time tuition $T$ as a linear function of hours $x$. State the domain and range. Graph the function and label the axes appropriately.

(b) Solve for the hours that make a full-time student’s tuition at least $6800.50$.

(c) Write the hours taken as a linear function of tuition. Give the domain and range.