

For full-time students at Weeflunkyu 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.