My Calculation

• How much each hour of class at Cornell costs.
  a. Using the tuition posted on the Cornell Financial Aid Website, I calculated how much each class costs at Cornell, based on how many hours per week a student spends in class. I first counted the number of weeks per semester, and looked up the tuition per semester. From there, I created a vector $x$ from 12 hours (minimum to be considered a full time student) to 30 hours. I used this vector as well as the tuition and number of weeks per semester to create vector $y$, which contained how much each class costs in relation to hours of class. Last, I plotted $x$ and $y$ and added labels to the graph.

b. >> $w=14$; % $w=14$ weeks/semester
   >> $t=37954$; % $t=$tuition/year (2009-10, from Cornell Financial Aid website)
   >> $s=t/2$; % $s=$tuition/semester
   >> $x=[12:30]$; % $x=$hours in class/week
   >> $u=w.*x$; % $u=$hours/semester in class
   >> $y=s./u$; % $y=$$/hour of class

   >> plot (x,y,'LineWidth',3)
   >> title ('Cost($) per Hour in Class at Cornell', 'FontSize', 10, 'FontName', 'Times')
   >> xlabel ('Hours of Class per Week', 'FontSize', 10, 'FontName', 'Times')
   >> ylabel ('Cost ($) Per Hour', 'FontSize', 10, 'FontName', 'Times')