OVERVIEW FOR PREPARATION FOR HOUR QUIZ #2 FOR M201

1. The format of HQ #2 follows the format of PS #2.

2. The Vector Valued Function (VVF) of the problem set is called the "hanging cable."

   Its VVF is: $\vec{r}(t) = \langle 5,\ 20t,\ 20\cosh t \rangle$ for t in $[-2, 3]$

3. The VVF for the hour quiz is called the "coiled spring" or the circular helix.
   Its VVF is similar to $\vec{r}(t) = \langle 3\cos(2t),\ 3\sin(2t),\ 8t \rangle$ for $t\ in\ [0, \pi]$ with different coefficients.

4. To prepare for the hour quiz, we recommend that you actually work the entire problem set with the hanging cable, then rework the entire problem set with the coiled spring.

5. The Maple worksheet entitled VecValFn.mws presents a simple version of the coiled spring in the example. After finishing item 4 above, you could modify that simple version with the example in item 3 above, execute it and check all of your work in item 4.

6. With this preparation, I'm confident that you will perform well on Hour Quiz #2.