Collected Assignment on Sections 12.6 and 13.1

Math 232 Section 1	
Due: February 17, 2006 10:10AM	Name (Print):

Be sure to justify your answers. Use full sentences.

1. Problem 2 on page 837, Section 12.6.



3. Problem 6 on page 855, Section 13.1. Note: You will need L'Hopital's Rule.
4. Problem 12 on page 855, Section 13.1. Be sure to follow all of the directions.
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5. Two particles travel along the space curves $\vec{r}_1 = < t, 1+2t, 3-2t >$ and $\vec{r}_2 = < -2-2t, 1-2t, 1+t >$. Do the particles collide? Do their paths intersect? Justify your answers.