Board Problems for day 12 for Real Analysis and Trigonometry
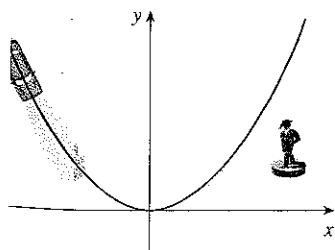
INSTRUCTIONS: Work these problems with several other people at your desks. After a while, we shall discuss them.

1. The following exercises are from the Gelfand/Saul book:

   Page 213, #1ace, 5, 7af, 8.

2. The Stewart book has an appendix on trigonometry. This gives a good summary of what a beginning calculus students needs to know. Read it and do some of the exercises. If it is clear to you how to do a problem, move on and find a harder one.

Be sure to add a colophon (from the Greek: finishing stroke, summit) to your copy of the Gelfand/Saul book that you have read it all.

14. A car is traveling at night along a highway shaped like a parabola with its vertex at the origin. The car starts at a point 100 m west and 100 m north of the origin and travels in an easterly direction. There is a statue located 100 m east and 50 m north of the origin. At what point on the highway will the car's headlights illuminate the statue?