Assigned homework #4

1. Describe the difference in appearance you would expect between a Phong illumination model that used $(\bar{N} \cdot \bar{H})^n$ and one that used $(\bar{R} \cdot \bar{V})^n$.
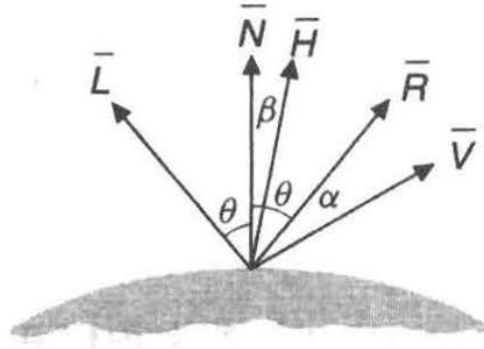

Fig. 1

2. (a) Prove that $\alpha = 2\beta$ when all vectors of Fig. 1 are coplanar. (b) Prove that this relationship is not true in general.

Submission:

1. Report your answer.