

**Name:**

**Student ID:**

### **Homework 8**

1. Consider the equation for a ray,  $P(t) = o + d * t$ , where  $o$  is the origin of the ray and  $d$  is the direction. Also, consider the equation for a plane, with normal  $N$  centered about the point  $c$ ,  $N \cdot (p - c) = 0$ . Find the intersection points of the ray and the plane if any.