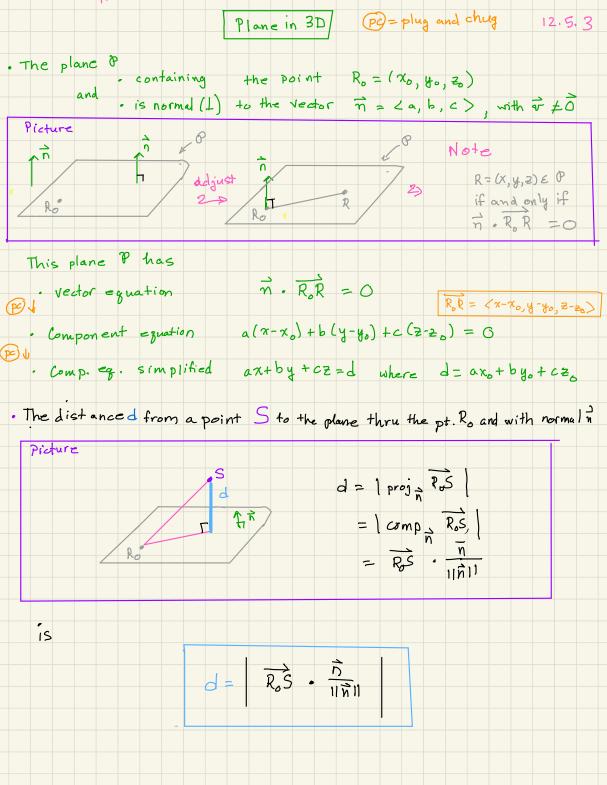
. The distance of from a point S to the line I thru point Ro and parallel to vo is | | Ros x - vo Since = 11 Ros 11 | sin 0 Ros i = 11 Ros 11 d = d.



Intersection of 2 planes 12.514 Let P2 have normal vector n2. · Set-up. What is the intersection of P, and P2? · Question I denoted P, NP2 1. If  $P_1 = P_2$ , then  $P_1 \cap P_2 = P_1$ 2. If  $P_1 \neq P_2$  but  $P_1 \parallel P_2$ , then  $P_1 \cap P_2 = \emptyset \stackrel{i.e.}{=} empty sct$ . 3. The interesting case. Let  $p_1 \neq p_2$  and  $p_1 \neq p_2$ .

Dipe cleansers help!  $\frac{\vec{n}_1}{11\vec{n}_1!!} \neq \frac{1}{11\vec{n}_2!!}$ Then PINP2 is a line of with I 1) (n, x n2) The angle between P, and P2 is the Def acute angle between h, and n2. So btw. Oard 1/2.