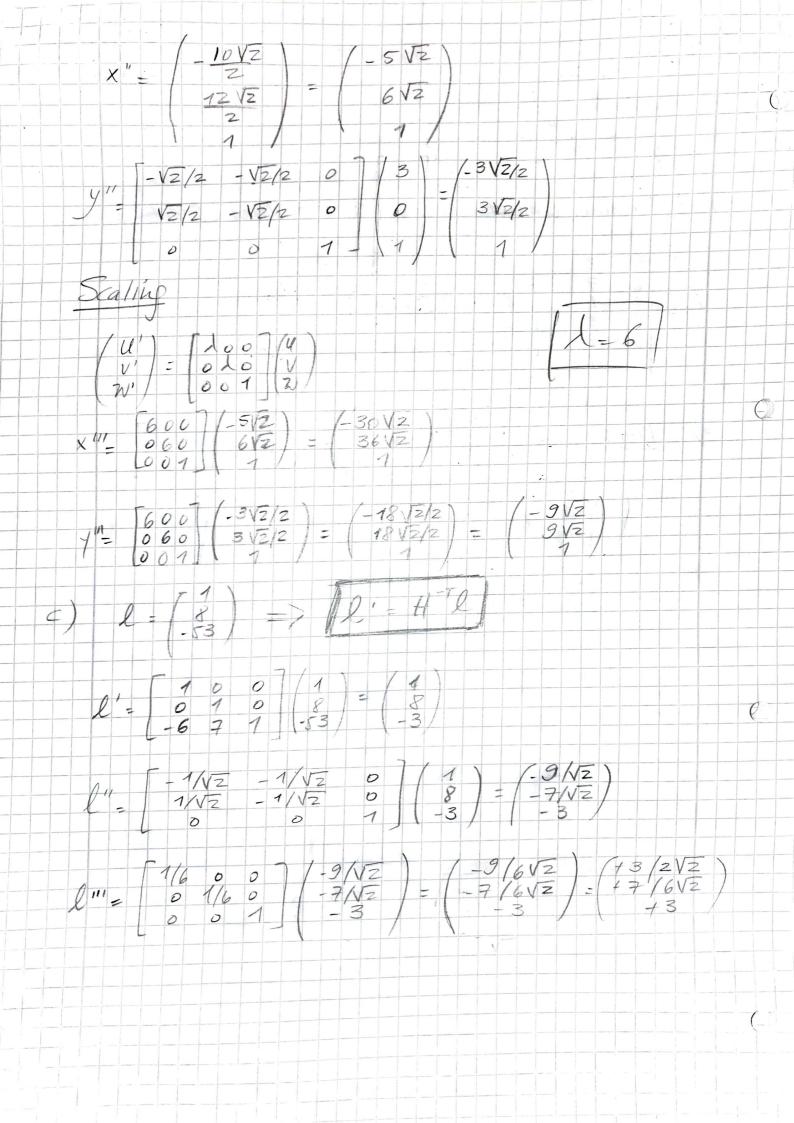
| | | \mathcal{F}_{i} | et | /. | - (| = 1 | erc | ic Pt | 2 | 1 | | Pa | rz | 7 | - 7 | The | 201 | y. | | | | | | |
|----------------|---|-------------------|----|------|---------|--------------------------------|---------|-------------------|--------------------------------------|------------------------------------|--------|-----|--------------|------------|----------|-------|------|-------------|-------|------|-------------------|------|---------------------|------|
| 1) | | | | | | | | ceti | | | | nee | eei | th | ן מי | Pail | al | lel | 2 6 | 1, x | ·la | 43 | ing | |
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| 2) | 4 | Luo | q. | of . | f 6. | Pz oth | . c | Cal | cu | (a7 | te tos | id | leak 15 t | Op. | luce | 15 de | f. | 1.) 1i | White | har | 1 (11) | ie ? | goe | 5 |
| l | 3 | : | 2 | cos | Pz | + | y | sing | 02 = | di | 3 | | | | | | | | | | | | | O2) |
| l3 | X | Ru | | | 2 | Sin -o Cos in | | X | 0 | 208 - d - os - os - os | 02 | | N | - | -di-ol | 30 | 08 2 | 02 | + | du | SIG Cos Cos | 08 | | |

= (Sin () 2 (d3-d4)) = p2 line that goes through points p, & P2 = Sin (1 dg - dz) SIN Oz (d3-d4) cosil (d2 - d1) cas (2/d4-d3) PIXP2 = Sinila (d3-dy) cos dz (ds-dy) sin O(d1-d2) cos Q (d2 -d1) sin O(d, -d=) (cos O(d3-d4) - sin Oz (d3-du) cos O(d2-d1)) the line connecting two ideal points Interpretation is a line at infinity (difficall to imagine?) There does general line 70000 + your - a intersect the true (0,0,1) i grow in house coolde? Boy to interpret the point? $gl = \begin{pmatrix} cos 0 \\ sin 0 \end{pmatrix}$ il = $\begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix}$. C080 0 Since 800 × 0 glxil= - COS W 8mil × 0 (uterpretation: A general dine intersects an ideal one at an ideal point -> a point at infinity



2) Check whether transformed points he on the tions framed line $\frac{3}{2\sqrt{2}}(x) + \frac{7}{6\sqrt{2}}(y) + 3 = 0$ $\begin{cases}
-30\sqrt{2} \\
36\sqrt{2}
\end{cases} =
\begin{cases}
3(-30\sqrt{2}) + 7(36\sqrt{2}) + 3 = 0 \\
4\sqrt{2}
\end{cases}$ - 90 Va , 252 XE , 3 = 0 -45 +42+3=0=)0=0 X" lies ou -(1 $for y''' = (-9\sqrt{2}) + 3(-9\sqrt{2}) + 7(9\sqrt{2}) + 3 = 0$ -27 + 63 + 3 = 0-13,5 + 10,5 + 3 = 0 => 0 = 0 Tym lies on C 3) (= (6,-2,2) a) Hessian normal form x cos 0 + y sn 0 - d = 0 0 = tau-1 (-9/6) = 1,249° = 0,0217 rad 2 cos (0,0217) + y sin (0,0217) + 2 = 0 0,99x + 0,0217y - 2 = 0

(b) Axis Intercept

$$\frac{x}{x_0} + \frac{y}{y_0} - 1 = 0$$
 $\frac{x}{x_0} + \frac{y}{y_0} - 1 = 0$
 $\frac{x}{x_0} + \frac{y}{y_0} - 1 = 0$