WRH-2-Solutions

12.5: 2, 27, 45 12.6: 4, 35

@ P(6,-5,2)

PER and R 11 $(41, 3, -\frac{2}{3}) = S$

Vector equation: r=ro+tv

V has the same direction as S.

tv= <t, 3t, - 3t>

To = < x0, 40, 20) = <6,-5,2>

(t) = < 6 +t, -5 + 3t, 2 - 3t) =

= (6+t)i+(-5+3t)j+(2-2/3/t)k

Parametric equations:

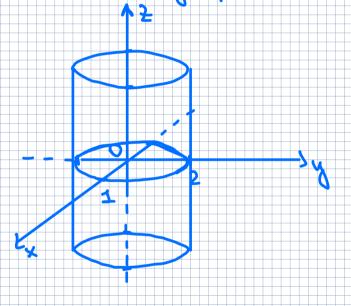
P(1,-1,-1)

Plane II 11 to the plane 5x-y-2=6

2-2t + 2.3t-1-t=7

12.6

We have no 2. Thus, 2 = k.
The surface 4x² + 4² = 4 is an elliptic culinder with rulings parallel to the 2-axis.



$$(2x-1)^{2} + (3-3)^{2} - 2 - 1 - 9 + 10 = 0$$

$$(x-1)^2 + (y-3)^2 = 2$$
 (1)

