$$\frac{b}{a} \quad \partial C = \overline{OA} + AC = \begin{pmatrix} 3 \\ -2 \end{pmatrix}$$

b)
$$\theta = 08^{-1} \left(\frac{|Ac|^2 - |DA|^2 - |Oc|^2}{2x |OA| \times |Oc|} \right)$$

$$\frac{6}{a} V = \begin{pmatrix} 0 \\ 175 \end{pmatrix}$$

$$W = \begin{pmatrix} 0 \\ -40 \end{pmatrix}$$

b)
$$W = \binom{n}{n}$$
 where $|w| = 80$

$$n = 4057$$

$$7 V = \binom{0}{126} + \binom{9057}{4057}$$







I don't understand now todian this structure

b) Where does the origin start 810m? Middle of the eule? I don't think there is an atom at that position?

If it starts at a corner of the cube:

$$1) \quad \mathbf{n} \quad \mathbf{n}_{1} = \begin{pmatrix} \mathbf{0} \\ \mathbf{3} \end{pmatrix}$$

$$N_2 = \begin{pmatrix} 0 \\ an \\ an \end{pmatrix}$$

$$N_3 = \begin{pmatrix} a \\ an \\ an \end{pmatrix}$$

$$N_4 = \begin{pmatrix} an \\ an \\ an \end{pmatrix}$$

$$N_1 = \begin{pmatrix} -a_1 \\ -a_2 \\ -a_3 \end{pmatrix}$$

$$N_{4} = \begin{pmatrix} a_{4} \\ a_{4} \\ -a_{4} \end{pmatrix}$$

$$\frac{8}{8}$$

$$B = \binom{10}{10} + t\binom{3}{4}$$

$$P = \binom{50}{0} + (t-10)\binom{5}{3}$$

$$F = \binom{50}{0} + (t-70)\binom{5}{3}$$

$$\beta = \begin{pmatrix} 10+3t \\ 10+4t \end{pmatrix} = F = \begin{pmatrix} 5t-50 \\ 3t-b0 \end{pmatrix}$$

Peter:

$$\rightarrow a)$$
 tes

$$\begin{array}{lll}
t) 70s - 70s = 50s \\
t) Point of capture = $\begin{pmatrix} 6x70 - 60 \\ 7x70 + 10 \end{pmatrix} = \begin{pmatrix} 300 \\ 160 \end{pmatrix}$$$

$$7 F \rho_{e} = \begin{pmatrix} 250 \\ 150 \end{pmatrix} = 1 + \rho_{e} = 201.5 \text{m} (80x)$$

$$7 \rho_{e} = \begin{pmatrix} 300 \\ 120 \end{pmatrix} = 1 + \rho_{e} = 323.1 \text{m} (\text{peter})$$

$$\frac{1}{a}$$
 $d = b + \frac{1}{2}(c - b) = \frac{1}{2}b + \frac{1}{2}c = \frac{1}{2}(b + c)$

$$P = \lambda(d-a) = \lambda(\frac{1}{2}(b+e)-a) + a$$

$$P_{n} = \lambda \left(\frac{1}{7}(a+c) - h\right) + h$$

$$P_{c} = \lambda \left(\frac{1}{7}(a+h) - c\right) + h$$

$$d) k = \frac{1}{2}$$
?

$$b) r = \begin{pmatrix} 1 + 2\lambda \\ 1 + 0 \\ 0 + 4\lambda \end{pmatrix} - \begin{pmatrix} 1 - 2\lambda \\ 4\lambda \end{pmatrix}$$

$$\frac{11}{a} \frac{1}{a} \frac{1$$

R:07-1-23n-9-1-9-1-1-12-24 2n=8=2n-4 -12-24

OR

$$0n = 3y - 3 + 1 = 3y - 7$$
 $0n = y - 1 + 3 = y + 7$
 $y = y + 1$
 $y = 4$
 $y = 4$

7 both methods give the same answer.