Find 9,1,92,93 (or Monornal)
from a,b,c (columns of A).
Then write A as QR
(Q or Moyonal, R upper trangular)

-Dake 91 (Start with a and nake it orthonormal to 91)

D9-2a. - [] a=191

-D quz: (Need to subtract projection

$$\frac{3y_{2}}{922b} - (\frac{b-91}{91121})$$

$$922 \begin{bmatrix} 2 \\ 3 \end{bmatrix} - 2 \begin{bmatrix} 1 \\ 0 \end{bmatrix} = \begin{bmatrix} 0 \\ 3 \end{bmatrix}$$

· Ly q' =D because eventhough

dot product of
$$\begin{bmatrix} 3 \\ 3 \end{bmatrix} 2 \begin{bmatrix} 1 \\ 2 \end{bmatrix} = [0]$$

dength is not = 1

$$92^{2}\frac{92}{3} = \begin{bmatrix} 0 \\ 0 \\ 1 \end{bmatrix}$$

$$93 = 93 = 93 = 0$$

$$\frac{1}{19311} = \frac{93}{5} = 0$$

$$-a = 191 + 092 + 093$$

$$-b = 291 + 392 + 093$$

$$-c = 491 + 692 + 593$$