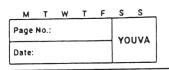
Butch of Page Page No.: YOUVA (A Juloual - 6 Date: A (411) 1 B (5,2) (4,3) @ Reflection about n Axis Refliction Matrix : A 1 = 2 (4,-1) E (' z (4,-3) B Reflection about y = -n
Reflection Marino : -1 = (-1,-4) = -5 = (-2,5) -10 = (-3,-4)



| (c) | Rotate | it about | ongi | in by 2 | - 30° | | | | | | |
|-----|---------|----------|------|---------|-----------|---|---|----|---|---|---|
| | Rotatim | | | | - fin 220 | 0 | | 0 | 1 | 0 |] |
| | | \$ - | | Bu 220 | Con 280 | 0 | = | -1 | 0 | O | |
| | | | | 0 | D | 1 | | 0 | 0 | 1 | |

$$A' = \begin{cases} 0 & 1 & 0 \\ -1 & 0 & 0 \\ 0 & 0 & 1 \end{cases} = \begin{cases} 1 \\ -4 \\ 1 \end{cases} = (1,-4)$$

$$B' = RB = (2,-5)$$

 $C' = RC = (3,-4)$

$$A' = SA = \begin{bmatrix} 1 & 2 & 0 & 4 \\ 0 & 1 & 0 & 1 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 6 \\ 1 \\ 1 \end{bmatrix} = (6,1)$$

$$c' = 5c = s \quad \left[\begin{array}{cccc} 4 & = & 2 \\ 3 & & 3 \end{array} \right] = (2 - 3)$$