Determinant Applications

Definition of ' $A_i(\mathbf{b})$ ': Let A be an $n \times n$ matrix, and b be any vector in \mathbb{R}^n . Then $A_i(\mathbf{b})$ is the matrix obtained from A by replacing column i by the vector \mathbf{b} .

 $\underline{ Theorem \ 7} - Cramer's \ Rule:$

Proof of Theorem 7:

Example 14.1:

Definition of A	djugate ((Adjoint):
Theorem 8:		
Example 14.2:		

Theorem 9:
Note:
1100.
Example 14.3: