

7.2

$$1) \begin{vmatrix} 1 & 2 \\ -1 & 3 \end{vmatrix} = 1 \cdot 3 - (-1) \cdot 2 = 3 + 2 = 5$$

$$2) \begin{vmatrix} -1 & 1 \\ 3 & -2 \end{vmatrix} = -1 \cdot (-2) - 3 \cdot 1 = 2 - 3 = -1$$

$$3) \begin{vmatrix} 0 & 7 \\ 0 & 3 \end{vmatrix} = 0 \cdot 3 - 0 \cdot 7 = 0 - 0 = 0$$

$$4) \begin{vmatrix} -7 & 9 \\ 1 & -8 \end{vmatrix} = -7 \cdot (-8) - 1 \cdot 9 = 56 - 9 = 47$$

$$5) \begin{vmatrix} 0 & -1 \\ -1 & 0 \end{vmatrix} = 0 \cdot 0 - (-1) \cdot (-1) = 0 - 1 = -1$$

$$6) \begin{vmatrix} 2 & 0 \\ -5 & 1 \end{vmatrix} = 2 \cdot 1 - (-5) \cdot 0 = 2 - 0 = 2$$

$$7) \begin{vmatrix} 3 & 2 \\ 1 & -4 \end{vmatrix} = 3 \cdot (-4) - 1 \cdot 2 = -12 - 2 = -14$$

$$8) \begin{vmatrix} 2 & -10 \\ 3 & -15 \end{vmatrix} = 2 \cdot (-15) - 3 \cdot (-10) = -30 + 30 = 0$$