

$$\begin{array}{l} \text{III.} \\ \text{2.} \\ \text{b.} \end{array} \left. \begin{array}{l} A'A \perp AB \\ A'A \perp AD \\ AB, AD \subset (ABCD) \end{array} \right\} \Rightarrow A'A \perp (ABCD)$$

$$\left. \begin{array}{l} A'A \perp (ABCD) \\ AO \perp BD \text{ (diagonale)} \\ \text{pătrat} \\ AO, BD \subset (ABCD) \end{array} \right\} \begin{array}{l} \text{T3P} \\ \Rightarrow A'O \perp BD \\ \Downarrow \\ d(A', BD) = A'O \end{array}$$

$$AC = \text{Diag } ABCD = 2\sqrt{2} = 2\sqrt{2}$$

$$AO = \frac{AC}{2} = \sqrt{2}$$

În $\triangle A'A'O$ ($m(\angle A) = 90^\circ$) T. Pitagora:

$$A'O^2 = A'A^2 + AO^2$$

$$A'O^2 = 3^2 + \sqrt{2}^2$$

$$A'O^2 = 9 + 2$$

$$A'O^2 = 11$$

$$A'O = \sqrt{11} \text{ dm.}$$

$$d(A', BD) = \sqrt{11} \text{ dm.}$$