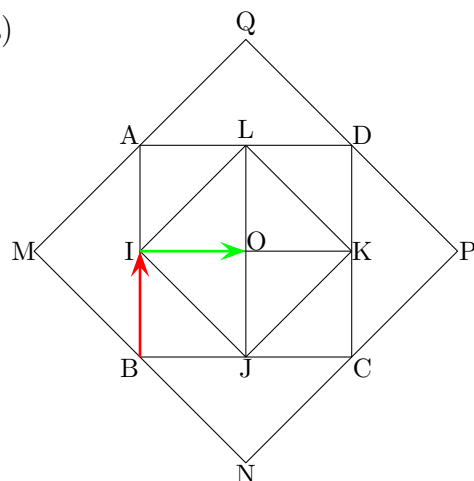
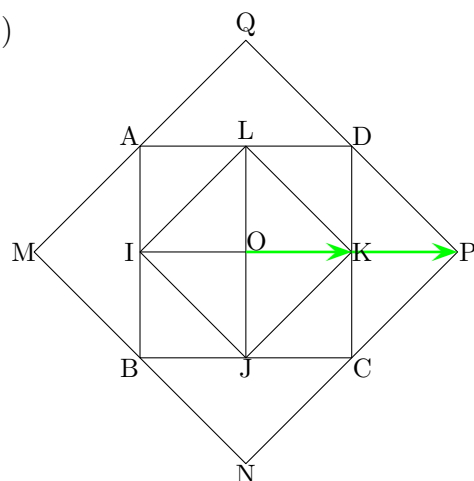


10.2 1) (a)



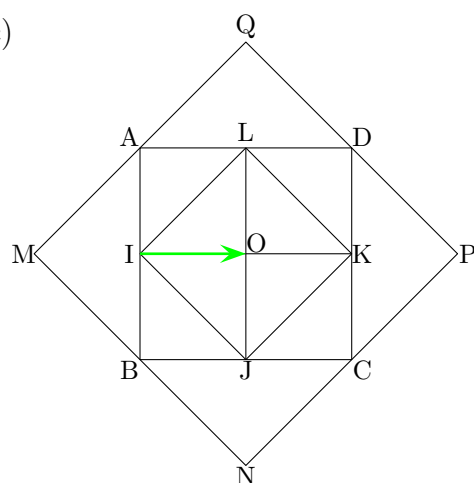
$$\overrightarrow{OB} = \overrightarrow{OI} + \overrightarrow{IB} = -\overrightarrow{OK} - \overrightarrow{OL} = \begin{pmatrix} -1 \\ -1 \end{pmatrix} \iff B(-1; -1)$$

(b)



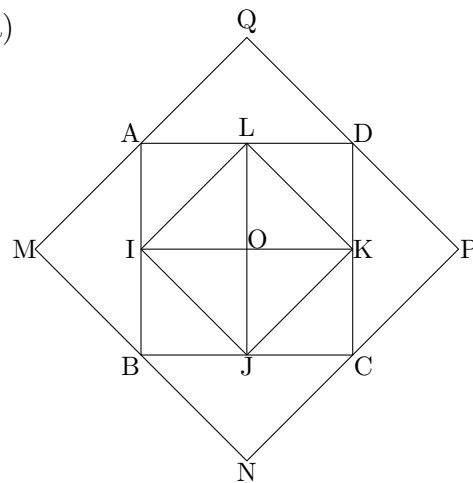
$$\overrightarrow{OP} = \overrightarrow{OK} + \overrightarrow{KP} = 2\overrightarrow{OK} = \begin{pmatrix} 2 \\ 0 \end{pmatrix} \iff P(2; 0)$$

(c)



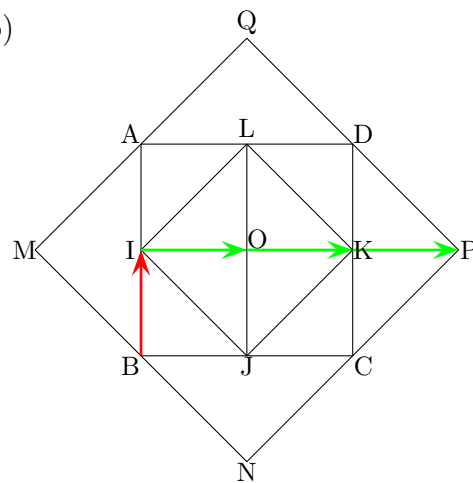
$$\overrightarrow{OI} = -\overrightarrow{OK} = \begin{pmatrix} -1 \\ 0 \end{pmatrix} \iff I(-1; 0)$$

2) (a)



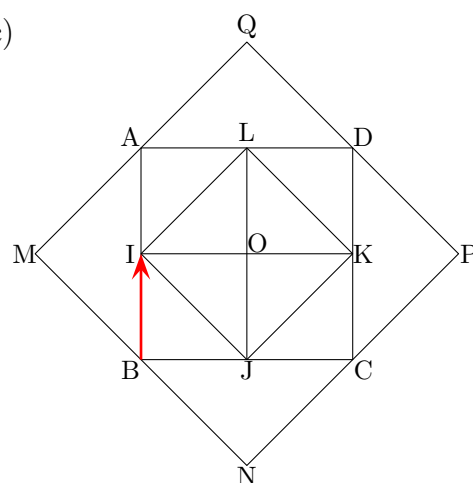
$$\overrightarrow{BB} = \vec{0} = \begin{pmatrix} 0 \\ 0 \end{pmatrix} \iff B(0; 0)$$

(b)



$$\overrightarrow{BP} = \overrightarrow{BI} + \overrightarrow{IO} + \overrightarrow{OK} + \overrightarrow{KP} = 3\overrightarrow{BJ} + \overrightarrow{BI} = \begin{pmatrix} 3 \\ 1 \end{pmatrix} \iff P(3; 1)$$

(c)



$$\overrightarrow{BI} = \begin{pmatrix} 0 \\ 1 \end{pmatrix} \iff I(0; 1)$$