

**EXERCICE 3D**

Construire les symétriques des points M, N, O et P par rapport aux droites (d<sub>1</sub>), (d<sub>2</sub>), (d<sub>3</sub>), (d<sub>4</sub>) :

The exercise consists of a 5x5 grid with columns labeled A, B, C, D, E and rows labeled 1, 2, 3, 4, 5. Four lines of symmetry are defined:

- (d<sub>1</sub>): A vertical line between columns B and C.
- (d<sub>2</sub>): A vertical line between columns C and D.
- (d<sub>3</sub>): A horizontal line between rows 3 and 4.
- (d<sub>4</sub>): A diagonal line from the top-left corner (A,1) to the bottom-right corner (E,5).

Points to be constructed are shown as shaded shapes on the grid:

- M**: A shaded 'I' shape centered on (d<sub>1</sub>).
- N**: A shaded 'III' shape centered on (d<sub>2</sub>).
- O**: A shaded 'X' shape centered on (d<sub>3</sub>).
- P**: A shaded 'XV' shape centered on (d<sub>4</sub>).

The symmetric points are shown as shaded shapes on the grid:

- M**: A shaded 'I' shape centered on (d<sub>1</sub>).
- N**: A shaded 'III' shape centered on (d<sub>2</sub>).
- O**: A shaded 'X' shape centered on (d<sub>3</sub>).
- P**: A shaded 'XV' shape centered on (d<sub>4</sub>).

Other points shown on the grid include:

- TV**: A shaded 'TV' shape centered on (d<sub>3</sub>).
- V**: A shaded 'V' shape centered on (d<sub>2</sub>).
- VIII**: A shaded 'VIII' shape centered on (d<sub>1</sub>).
- IX**: A shaded 'IX' shape centered on (d<sub>2</sub>).
- XI**: A shaded 'XI' shape centered on (d<sub>3</sub>).
- XIII**: A shaded 'XIII' shape centered on (d<sub>1</sub>).
- XIV**: A shaded 'XIV' shape centered on (d<sub>2</sub>).
- XVI**: A shaded 'XVI' shape centered on (d<sub>3</sub>).
- XVII**: A shaded 'XVII' shape centered on (d<sub>4</sub>).