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PARAMETERIZATION OF A LINE AND OF OBJECTS ON A LINE

TABLE-SELECTION GAME

Select one correct answer for each of the questions in the test and press the Finish button at the end. The answers will be validated automatically.

We are given points $A = [-1; 3]$ and $B = [3; 6]$. Further, we are given parametric equations of a straight line AB : $x = -1 + 4t$, $y = 3 + 3t$; $t \in \mathbb{R}$. Match each described object lying on the straight line AB with the corresponding set of values of parameter t .

1. Centre of the line segment AB

2. The line segment AB

3. The ray AB

4. The ray BA

5. The point of intersection of the line AB with x -axis

6. The point of intersection of the line AB with y -axis

7. The point $M \in AB$;
 $M = [?; 4]$

8. The point $N \in AB$;
 $N = [2; ?]$

