If (0,3) translates to (-3,-2) then (2,5) translates to what?
Answer:
In Euclidean geometry, a **translation** is a function that moves every point a constant distance in a specified direction.
A translation is the operation changing the positions of all points *(x, y, z)* of an object according to the formula

$$(x, y, z) \rightarrow (x+dx, y+dy, z+dz)$$

So, in given case:

$$(0,3) \rightarrow (-3,-2)$$

Thus:

$$dx = -3-0 = -3$$

and

$$dy = -2-3 = -5$$

Thus:

$$(2,5) \rightarrow (2-3, 5-5) = (-1,0)$$

Answer: (-1,0)