

Answer on Question #77281 – Math – Geometry

Question

If point B is translated 3 units right and 4 units up, what are the coordinates of the new point?

Solution

Let coordinates of the point B be (b_x, b_y) . Then, translation of the point B to three units right means that we must add 3 to b_x and we will have the first new coordinate:

$$b_x + 3.$$

After that, we translate the point B to four units up and obtain the second new coordinate:

$$b_y + 4.$$

Answer:

Coordinates of the new point are $(b_x + 3, b_y + 4)$.