█ Rješenja zadataka 9.3

Zadatak 1. Odredi koordinate točke T u sustavu koji se dobiva translacijom tako da O' bude novo ishodište:

1) $P(2, -1)$; $O'(1, 1)$;

2) $P(0, 0)$; $O'(-2, 3)$;

3) $P(3, -1)$; $O'(3, -1)$;

4) $P(-1, -2)$; $O'(-6, -3)$;

5) $P(2, 3)$; $O'(2, 0)$;

6) $P(3, 4)$; $O'(0, 4)$.

Rješenje. **1)** $x' = x - p = 2 - 1 = 1$
$y' = y - q = -1 - 1 = -2$
$P'(1, -2)$

2) $x' = x - p = 0 + 2 = 2$
$y' = y - q = 0 - 3 = -3$
$P'(2, -3)$

3) $x' = x - p = 3 - 3 = 0$
$y' = y - q = -1 + 1 = 0$
$P'(0, 0)$

4) $x' = x - p = -1 + 6 = 5$
$y' = y - q = -2 + 3 = 1$
$P'(5, 1)$

5) $x' = x - p = 2 - 2 = 0$
$y' = y - q = 3 - 0 = 3$
$P'(0, 3)$

6) $x' = x - p = 3 - 0 = 3$
$y' = y - q = 4 - 4 = 0$
$P'(3, 0)$.