

7. Find the midpoint of the line segment joining the points $P_1=(5,-1)$ and $P_2=(4,0)$

$$\left(\frac{1}{2}, -\frac{1}{2}\right)$$

$$(9, -1)$$

$$\left(\frac{9}{2}, -\frac{1}{2}\right)$$

$$(2, 2)$$

Solution

The midpoint is: $\left(\frac{5+4}{2}, \frac{-1+0}{2}\right) = \left(\frac{9}{2}, -\frac{1}{2}\right)$