

3. Find the midpoint of the line segment joining the points  $P_2=(5,1)$  and  $P_1=(2,3)$

$$\left(\frac{3}{2}, -1\right)$$

$$(7, 4)$$

$$\left(\frac{7}{2}, 2\right)$$

$$\left(3, \frac{5}{2}\right)$$

**Solution**

The midpoint is:  $\left(\frac{(5+2)}{2}, \frac{(1+3)}{2}\right) = \left(\frac{7}{2}, 2\right)$