

3. Find the midpoint of the line segment joining the points $P_1=(1,2)$ and $P_2=(4,-3)$

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

$$(5, -1)$$

$$\left(\frac{5}{2}, -\frac{1}{2}\right)$$

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

Solution

The midpoint is: $\left(\frac{(1+4)}{2}, \frac{(2+(-3))}{2}\right) = \left(\frac{5}{2}, -\frac{1}{2}\right)$