

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

$(1, 2)$

$(6, -2)$

$(3, -1)$

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

**Solution**

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