

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

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

$$(0, 3)$$

$$(0, \frac{3}{2})$$

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

**Solution**

The midpoint is:  $(\frac{(3+(-3))}{2}, \frac{(-1+4)}{2}) = (0, \frac{3}{2})$