

4. Find the midpoint of the line segment joining the points  $P_2 = (3, 0)$  and  $P_1 = (-3, 4)$

$(3, -2)$

$(0, 4)$

$(0, 2)$

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

**Solution**

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