

7. Find the midpoint of the line segment joining the points  $P_2=(0,4)$  and  $P_1=(-3,-2)$

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

$$(-3, 2)$$

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

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

**Solution**

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