

6. Find the midpoint of the line segment joining the points $P_2 = (-3, 0)$ and $P_1 = (5, 3)$

$$(-4, -\frac{3}{2})$$

$$(2, 3)$$

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

$$(-\frac{3}{2}, 4)$$

Solution

The midpoint is: $(\frac{-3+5}{2}, \frac{0+3}{2}) = (1, \frac{3}{2})$