

2. Find the midpoint of the line segment joining the points  $Y=(-1,4)$  and  $Z=(-2,5)$

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

$$(-3, 9)$$

$$\left(-\frac{3}{2}, \frac{9}{2}\right)$$

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

**Solution**

The midpoint is:  $\left(\frac{-1+(-2)}{2}, \frac{4+5}{2}\right) = \left(-\frac{3}{2}, \frac{9}{2}\right)$