

Additional Distance-Midpoint-Division Point Practice Questions

1. Find the coordinates of the midpoint of the line segment AB whose end points are $A(5,6)$ and $B(-3,-4)$
2. Given the endpoints $A(12,14)$ and $B(28,32)$ of the line segment AB , what is the point P that divides the line AB in the ratio $3:2$ from point A ?
3. Given the endpoints $L(5,8)$ and $M(11,17)$ of the line segment LM , what is the point N that divides the line LM in the ratio $1:2$ from point M ?
4. Find the coordinates of the midpoint of the line segment LM whose end points are $L(12,-6)$ and $M(12,6)$
5. Given the endpoints $A(4,5)$ and $B(18,20)$ of the line segment AB , what is the point C that divides the line AB in the ratio $2:5$ from point B ?
6. If the point P is located $\frac{2}{5}$ of the way along the line segment AB from point A what are the coordinates of the point P if $A(1,1)$ and $B(9,9)$ are the endpoints?