

Midpoint Formula

Sheet 1

- 1) One endpoint of a line segment is $(-2, -6)$. A point $(0, -5)$ is one-third of the way from $(-2, -6)$. Find the point that is two-third of the way from $(-2, -6)$.

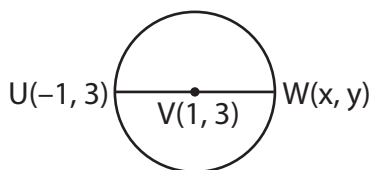
- 2) The points $(4, 1)$ and $(5, -1)$ are three-fifth and four-fifth of the way from the point A respectively. Find the endpoint B.

- 3) The endpoints of a line segment are $(-7, 8)$ and $(1, 2)$. Find the point that is one-fourth of the way from $(-7, 8)$.

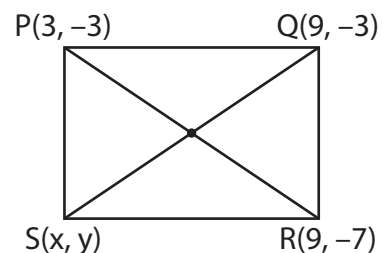
- 4) The points $(4, 5)$ and $(8, 1)$ are two-third and one-third of the way from the point M respectively. Find the point M.

- 5) Find the missing coordinate.

- a) UV is the radius of a circle.



- b) $PQRS$ is a rectangle.



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Sheet 1

- 1) One endpoint of a line segment is $(-2, -6)$. A point $(0, -5)$ is one-third of the way from $(-2, -6)$. Find the point that is two-third of the way from $(-2, -6)$.

_____ **$(2, -4)$**

- 2) The points $(4, 1)$ and $(5, -1)$ are three-fifth and four-fifth of the way from the point A respectively. Find the endpoint B.

_____ **$(6, -3)$**

- 3) The endpoints of a line segment are $(-7, 8)$ and $(-1, 2)$. Find the point that is one-fourth of the way from $(-7, 8)$.

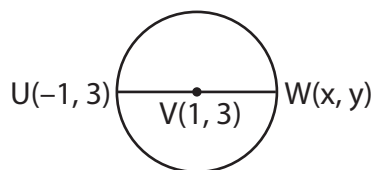
_____ **$(-4, 5)$**

- 4) The points $(4, 5)$ and $(-2, 1)$ are two-third and one-third of the way from the point M respectively. Find the point M.

_____ **$(2, 3)$**

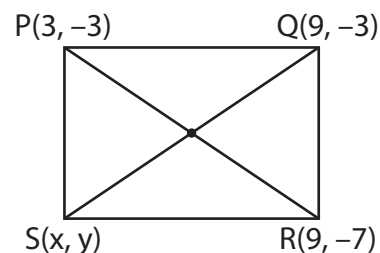
- 5) Find the missing coordinate.

- a) UV is the radius of a circle.



_____ **$(3, 3)$**

- b) PQRS is a rectangle.



_____ **$(3, -7)$**

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