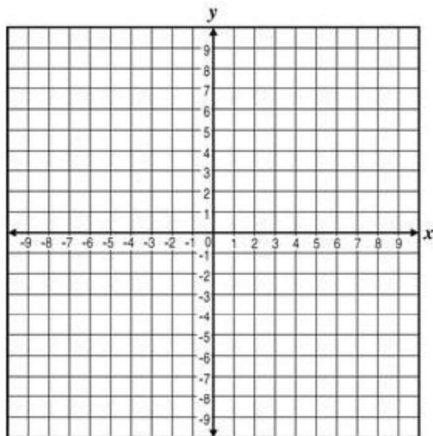


PARTITIONING a Line Segment

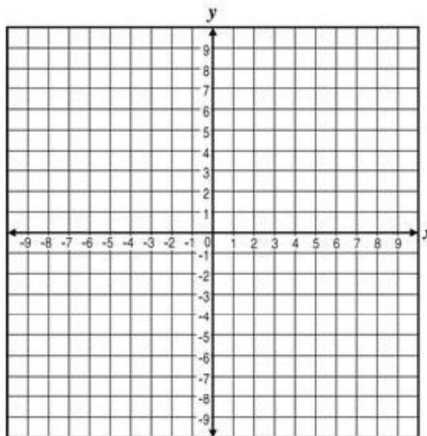
1

Given the points $A(-7, -8)$ and $B(5, 1)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 2:1.



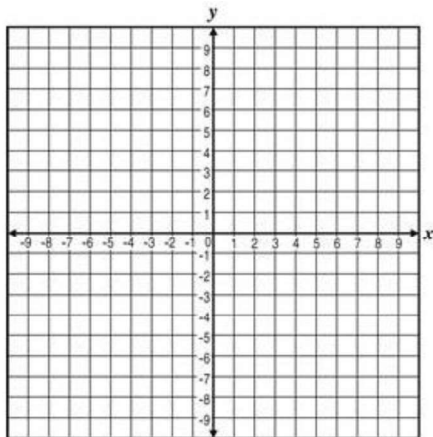
2

Given the points $A(0, 4)$ and $B(9, -8)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 1:2.



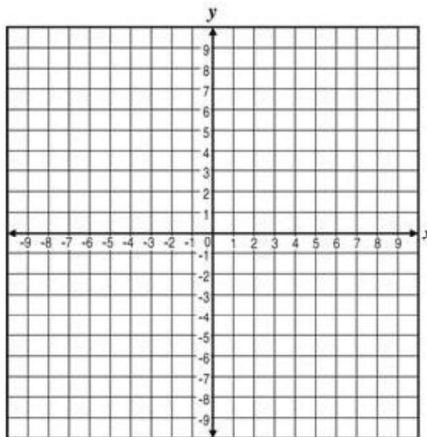
3

Given the points $A(-7, 7)$ and $B(8, -3)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 4:1.



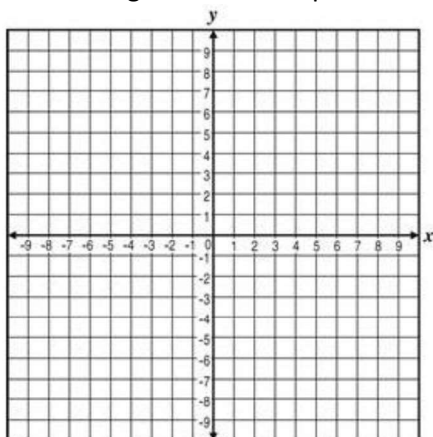
4

Given the points $A(-10, -4)$ and $B(10, 1)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 3:2.



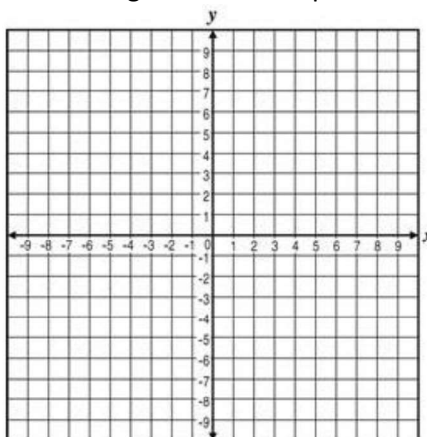
5

Given the points $A(5, -10)$ and $B(-2, 4)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 3:4.



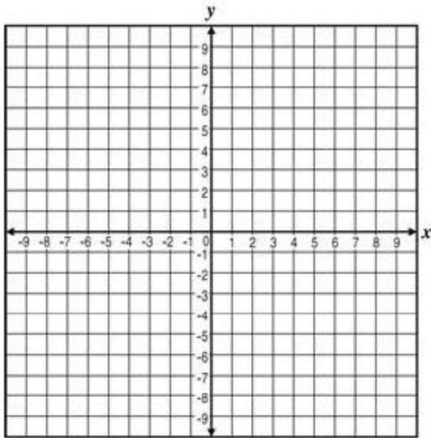
6

Given the points $A(9, 0)$ and $B(-7, 4)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 3:1.



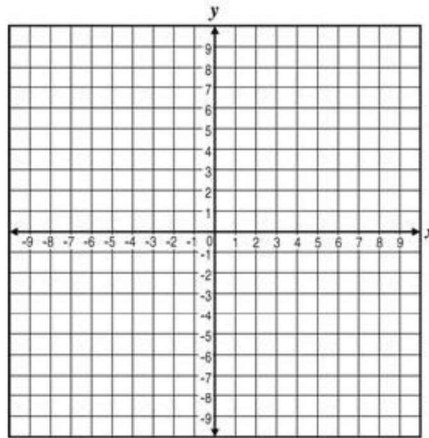
7

Given the points $A(-9, -9)$ and $B(6, -6)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 2:1.



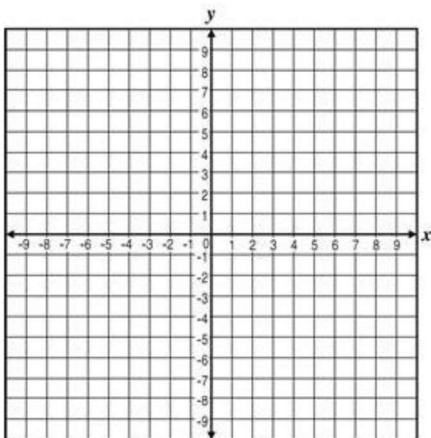
8

Given the points $A(9, 2)$ and $B(-3, -6)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 1:3.



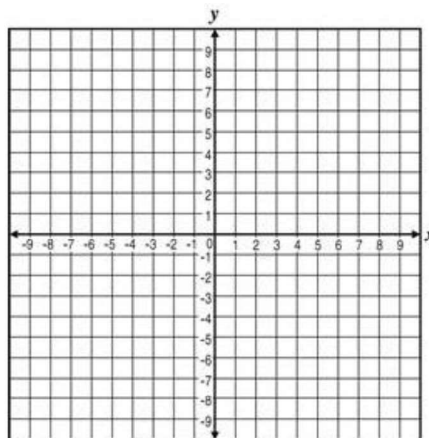
9

Given the points $A(-6, -10)$ and $B(-1, 5)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 2:3.



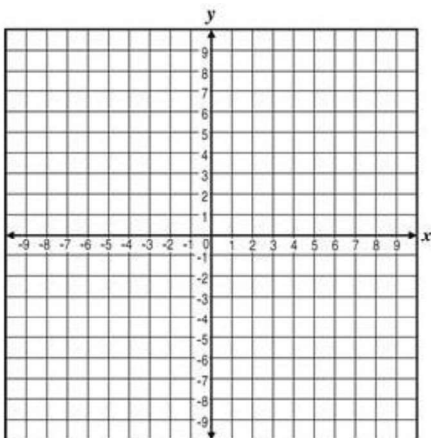
10

Given the points $A(7, 4)$ and $B(-9, 0)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 3:1.



11

Given the points $A(3, -5)$ and $B(8, 5)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 1:4.



12

Given the points $A(-8, -3)$ and $B(7, 2)$, find the coordinates of the point P on directed line segment \overline{AB} that partitions \overline{AB} in the ratio 2:3.

