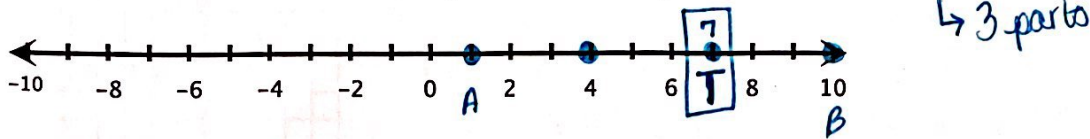
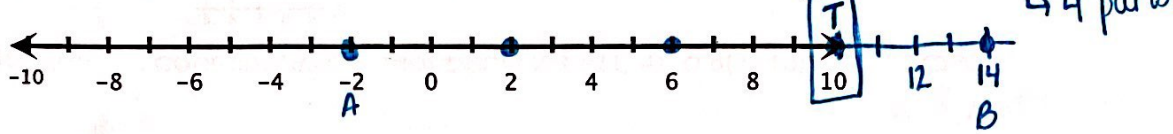


Day 5 – Partitioning a Segment in 1 & 2 Dimensions – Practice

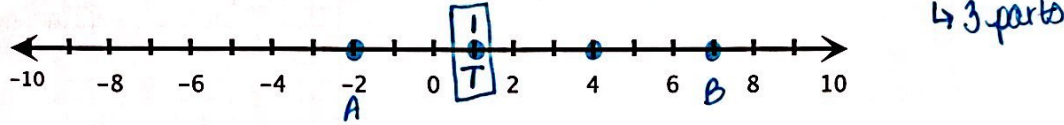
1) A is at 1, and B is at 10. Find the point, T, so that T partitions A to B in a 2:1 ratio.



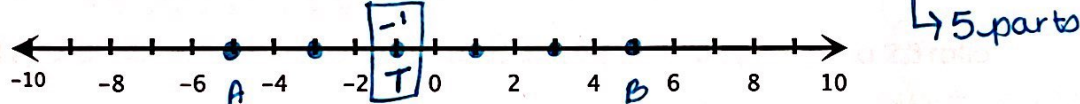
2) A is at -2 and B is at 14. Find the point, T, so that T partitions A to B in a 3:1 ratio.



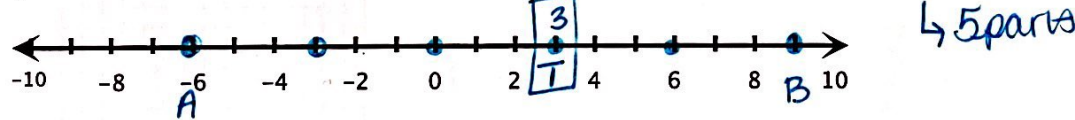
3) A is at -2 and B is at 7. Find the point, T, so that T partitions A to B in a 1:2 ratio.



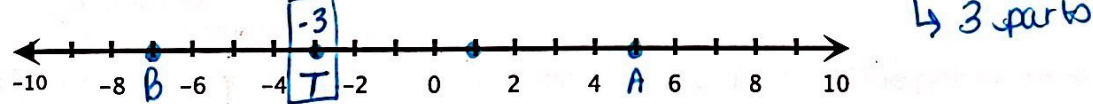
4) A is at -5 and B is at 5. Find the point, T, so that T partitions A to B in a 2:3 ratio.



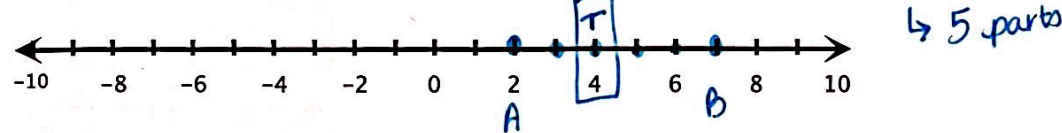
5) A is at -6 and B is at 9. Find the point, T, so that T partitions A to B in a 3:2 ratio.



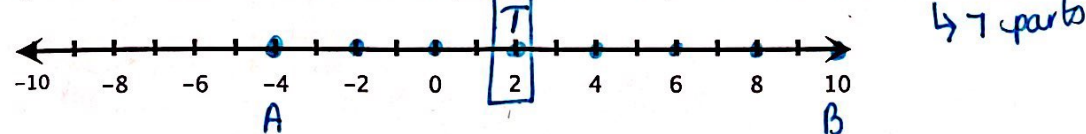
6) A is at 5 and B is at -7. Find the point, T, so that T partitions A to B in a 2:1 ratio.



7) A is at 2 and B is at 7. Find the point, T, so that T partitions A to B in a 2:3 ratio.



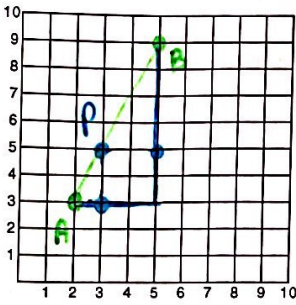
8) A is at -4 and B is at 10. Find the point, T, so that T partitions A to B in a 3:4 ratio.



Plot points A and B and then find the coordinates of point T.

9) Find the coordinates of T that partitions A(2, 3) to B(5, 9) in a 1:2 ratio.

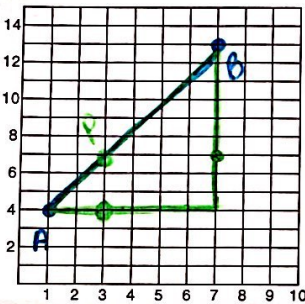
↳ 3 parts



$P(3, 5)$

10) Find the coordinates of T that partitions A(1, 4) to B(7, 13) in a 1:2 ratio.

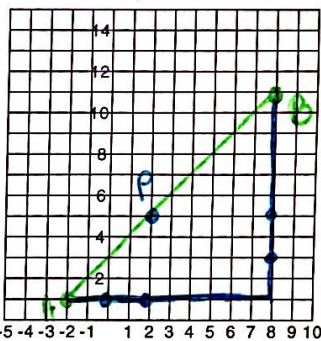
↳ 3 parts



$P(3, 7)$

11) Find the coordinates of T that partitions A(-2, 1) to B(8, 11) in a 2:3 ratio.

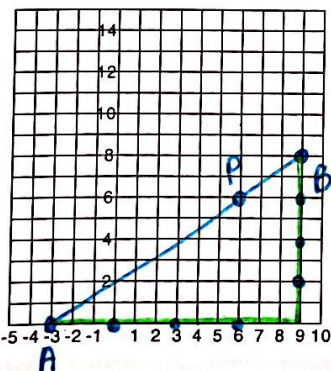
↳ 5 parts



$P(2, 5)$

12) Given the points A(-3, 0) and B(9, 8), find the coordinates of the point P on directed line segment AB that partitions AB in the ratio 3:1.

↳ 4 parts



$P(6, 6)$