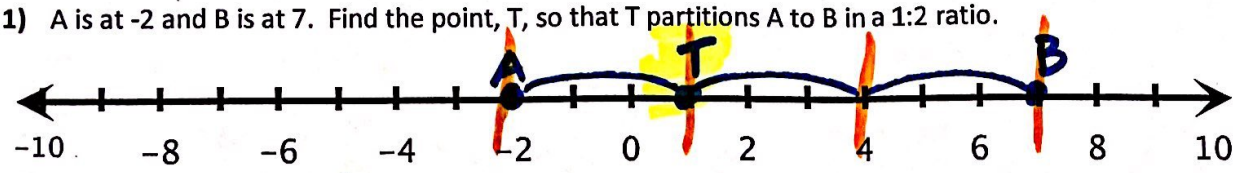
Partitioning Segments by a Ratio

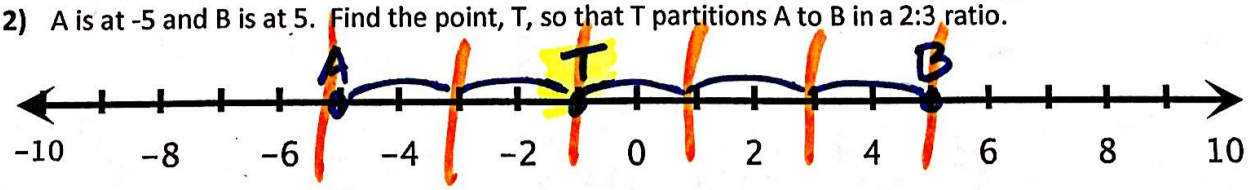
Name: _____ Date: _____

1) 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.



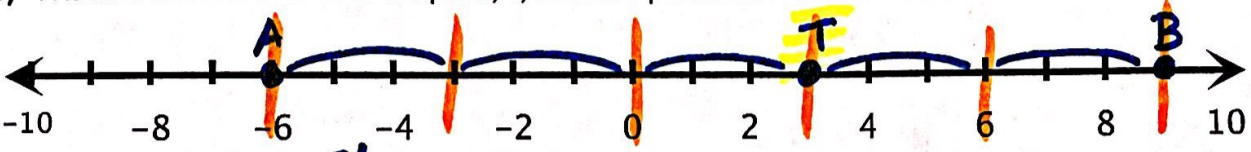
Point T is 1/3 of the way from A to B.

2) 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.



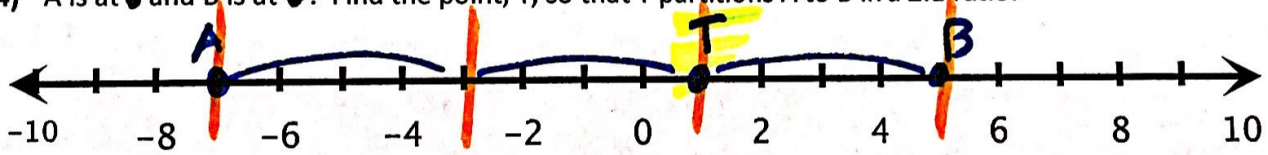
Point T is 2/5 of the way from A to B.

3) 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.



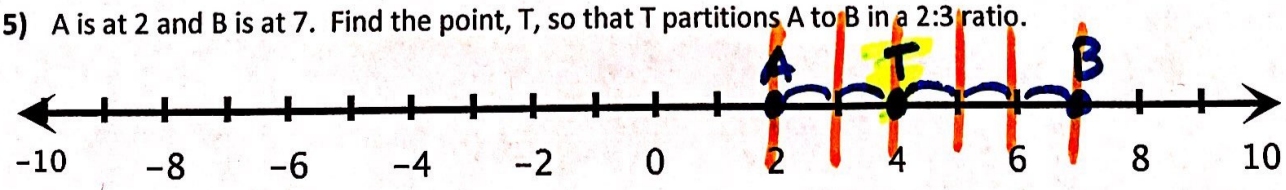
Point T is 3/5 of the way from A to B.

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



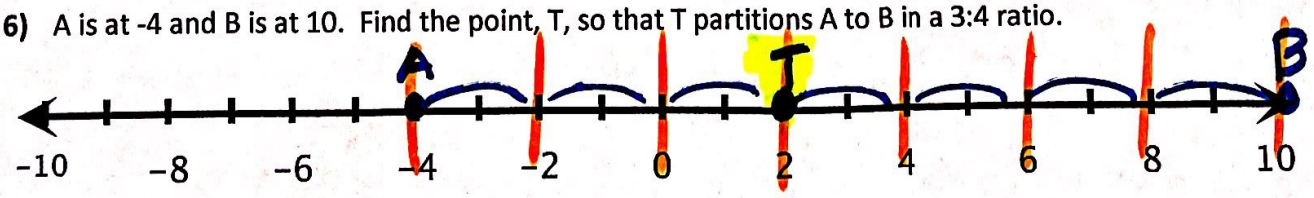
Point T is 2/3 of the way from A to B.

5) 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.



Point T is 2/5 of the way from A to B.

6) 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.



Point T is 3/7 of the way from A to B.