Partitioning Segments In One Dimension

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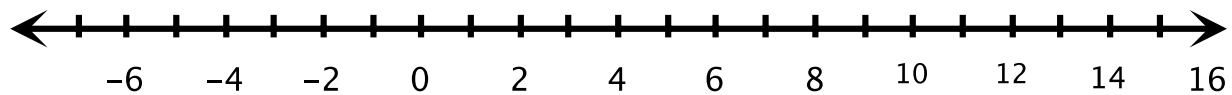
1) A is at 1, and B is at 10. Find the point, T, so that T partitions A to B in a 2:1 ratio.

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←—+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——→
  -10    -8    -6    -4    -2    0    2    4    6    8    10
```
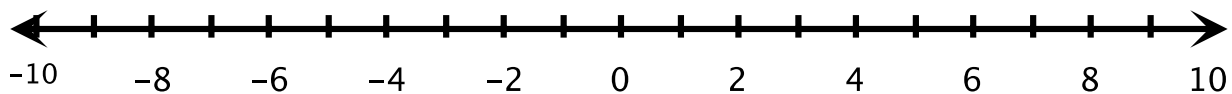
2) A is at -2 and B is at 14. Find the point, T, so that T partitions A to B in a 3:1 ratio.

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←—+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——→
     -6    -4    -2    0    2    4    6    8    10    12    14    16
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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.

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←—+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——+——→
  -10    -8    -6    -4    -2    0    2    4    6    8    10
```
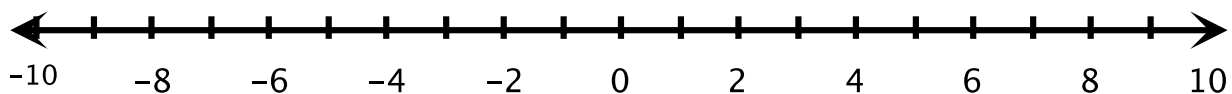
4) A is at -5 and B is at 5. Find the point, T, so that T partitions A to B in a 2:3 ratio.

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←――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――→
  -10    -8     -6     -4     -2     0      2      4      6      8      10
```
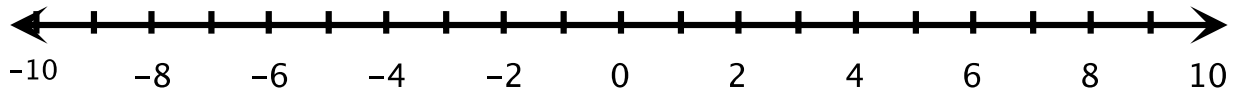
5) A is at -6 and B is at 9. Find the point, T, so that T partitions A to B in a 3:2 ratio.

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←――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――→
  -10    -8     -6     -4     -2     0      2      4      6      8      10
```
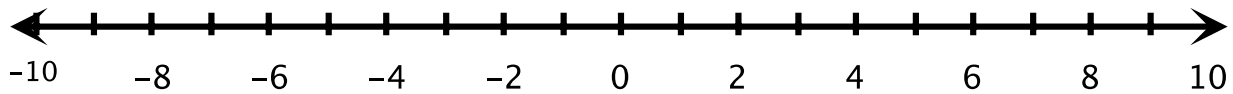
6) A is at 5 and B is at -7. Find the point, T, so that T partitions A to B in a 2:1 ratio.

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←――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――→
  -10    -8     -6     -4     -2     0      2      4      6      8      10
```
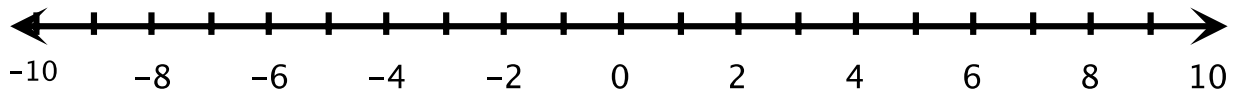
7) A is at 2 and B is at 7. Find the point, T, so that T partitions A to B in a 2:3 ratio.

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←――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――→
  -10    -8     -6     -4     -2     0      2      4      6      8      10
```
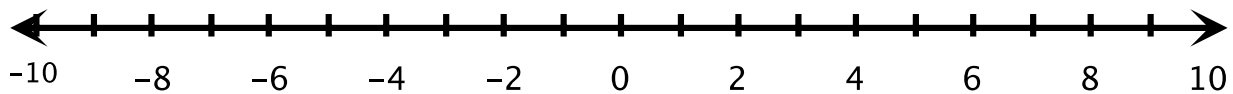
8) A is at -4 and B is at 10. Find the point, T, so that T partitions A to B in a 3:4 ratio.

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←――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――+――→
  -10    -8     -6     -4     -2     0      2      4      6      8      10
```