Finding the midpoint of each set of coordinates.

Find the midpoint of the coordinates (4,5) and (8,1), plug the values into the midpoint formula.

\[
\left( \frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)
\]

The midpoint is at (6, 3).

1) (3, 8) & (2, 5)
2) (5, 5) & (10, 3)
3) (9, 7) & (0, 3)
4) (8, 2) & (3, 9)
5) (8, 7) & (1, 2)
6) (1, 9) & (3, 9)
7) (7, 3) & (2, 0)
8) (5, 0) & (6, 2)
9) (3, 5) & (10, 5)
10) (5, 7) & (10, 5)
11) (6, 10) & (1, 4)
12) (10, 3) & (2, 6)
## Finding Midpoint Based on Coordinates

Find the midpoint of each set of coordinates.

### Midpoint Formula

\[
\left( \frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)
\]

To find the midpoint of the coordinates (4,5) and (8,1), plug the values into the midpoint formula.

\[
\left( \frac{4 + 8}{2}, \frac{5 + 1}{2} \right) = (6, 3)
\]

### Answers

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<table>
<thead>
<tr>
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<td>9</td>
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<td>(7.5, 6)</td>
<td>11</td>
<td>(3.5, 7)</td>
<td>12</td>
<td>(6, 4.5)</td>
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Find the midpoint of each set of coordinates.