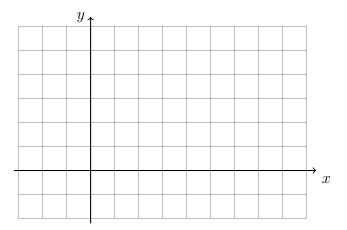
5 December 2019

6.7 Classwork: Midpoint graphs and the midpoint formula

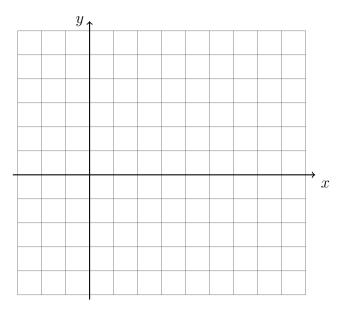
1. Given \overrightarrow{AB} as shown on the number line, with A=-3 and B=5. Mark and label the midpoint M between A and B?



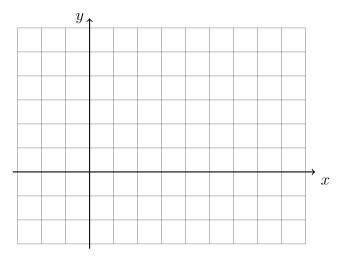
2. On the graph below, draw \overline{AB} , with A(2,3) and B(8,3), labeling the end points. Determine and state the coordinates of the midpoint M of \overline{AB} and mark and label it on the graph.



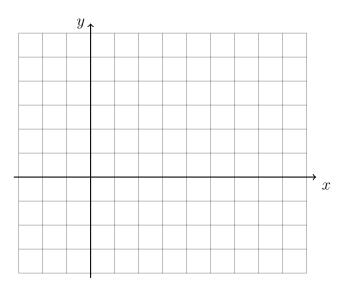
3. On the graph below, draw \overline{AB} , with A(1,2) and B(7,4), labeling the end points. Determine and state the coordinates of the midpoint M of \overline{AB} and mark and label it on the graph.



4. On the graph below, draw \overline{AB} , with A(-1,3) and B(5,1), labeling the end points. Determine and state the coordinates of the midpoint M of \overline{AB} and mark and label it on the graph.



5. On the graph below, draw \overline{AB} , with A(3,-3) and B(7,5), labeling the end points. Determine and state the coordinates of the midpoint M of \overline{AB} and mark and label it on the graph.



6. Use the midpoint formula to find the midpoint of A(4, 10), B(12, 2).