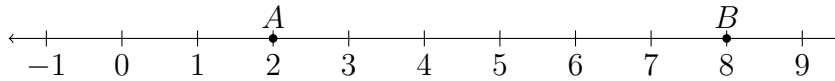


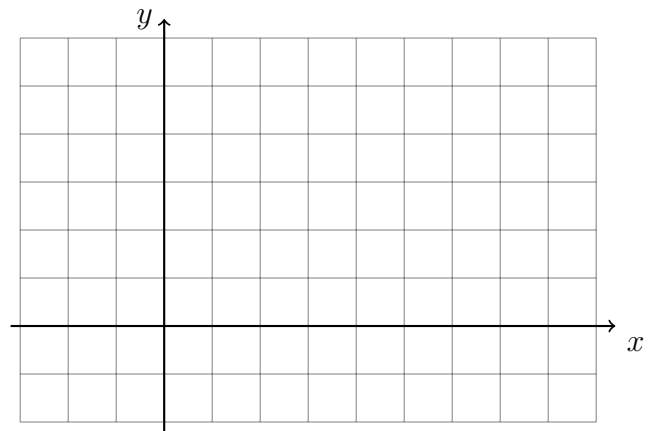
5 December 2019

6.7 Exit ticket: Midpoint graphs and the midpoint formula

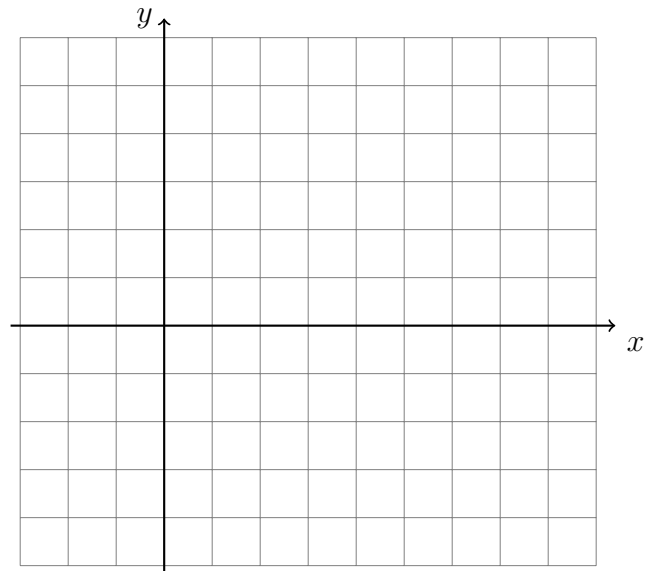
1. Given \overleftrightarrow{AB} as shown on the number line, with $A = 2$ and $B = 8$. Mark and label the midpoint M between A and B ?



2. On the graph below, draw \overline{AB} , with $A(-1, 4)$ and $B(5, -2)$, 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.



Early finishers

4. Graph and label the two equations. Mark their intersection as an ordered pair.

$$y = x + 7$$

$$4x + 5y = -10$$

Are the lines parallel, perpendicular, or neither? Justify your answer.

