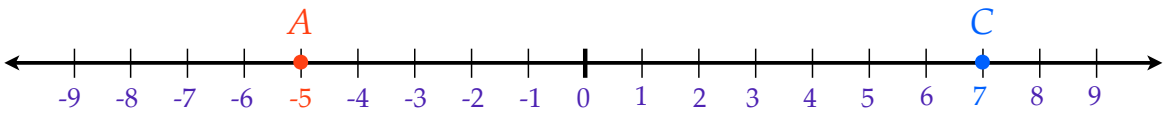
The Midpoint Formula

Name _____

Date _____ Period _____

On a number line: The coordinate of the midpoint between Point A and Point C, where a and c are the coordinates of Point A and Point C respectively is

$$\frac{a + c}{2}$$



Find the midpoint between Point A and Point C

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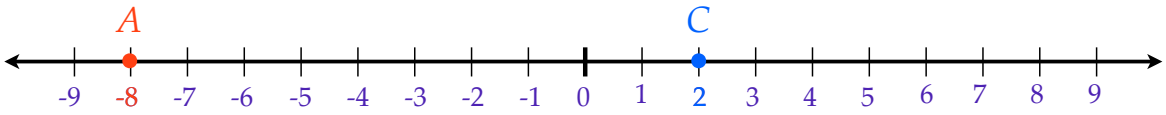
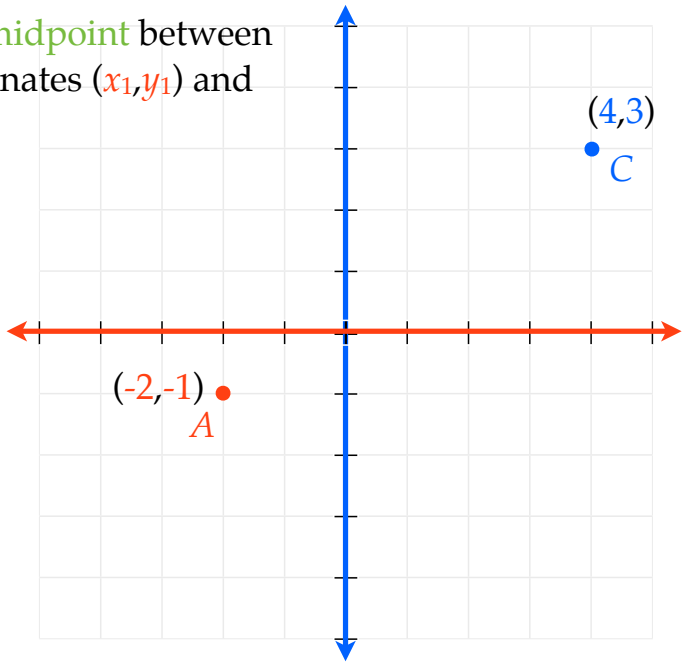


Find the midpoint between Point A and Point C

In a coordinate plane: The coordinates of the midpoint between Point A and Point C, where Point A has coordinates (x_1,y_1) and Point C has coordinates (x_2,y_2) is

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

Find the midpoint between A and C



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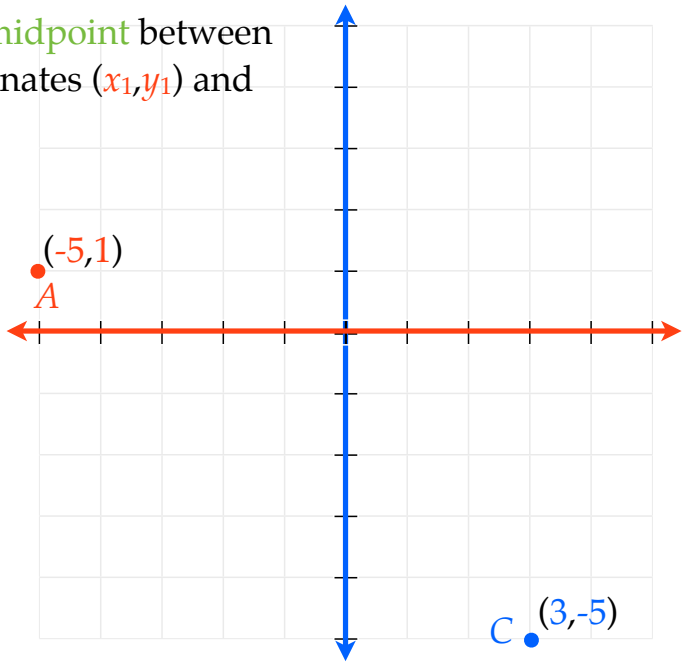

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