

Midpoint Formula

Name _____

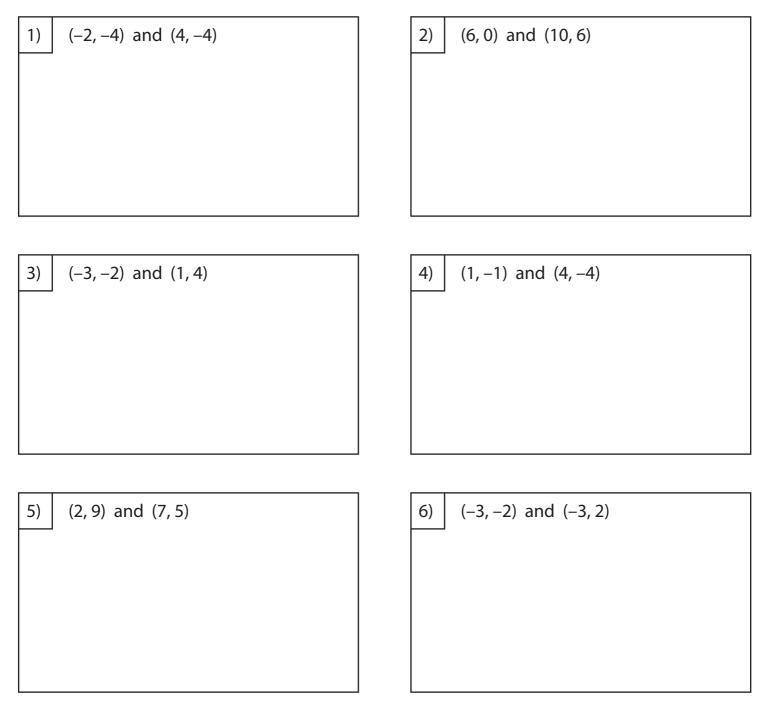
Score _____

MP:12

Example : Find the midpoint of a line segment with the endpoints (-3, 5) and (2, 1).

Midpoint = $\left(\frac{\mathbf{x_1 + x_2}}{2}, \frac{\mathbf{y_1 + y_2}}{2}\right)$ $x_1 = -3$; $x_2 = 2$; $y_1 = 5$; $y_2 = 1$ = $\left(\frac{-3 + 2}{2}, \frac{5 + 1}{2}\right)$ = $\left(-\frac{1}{2}, 3\right)$

Find the midpoint of the line segment from the given endpoints.





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Score

Answer key

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= $\left(\frac{-3 + 2}{2}, \frac{5 + 1}{2}\right)$
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