Midpoint Formula

Example: Find the midpoint of the line segment with the endpoints (4, 1) and (2, –5).

$$\text{Midpoint} = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right) = \left(\frac{4 + 2}{2}, \frac{1 - 5}{2} \right)$$

$$= (3, -2)$$

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

1) (5, 0), (1, 4)

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2) (–9, 3), (7, –8)

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3) (–2, 9), (–7, 7)

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4) (5, 10), (–3, 6)

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5) (–1, –6), (3, 0)

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6) (8, 1), (–2, –5)

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7) (–6, –10), (–2, –8)

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8) (4, –1), (–5, 9)

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9) (2, 3), (4, –7)

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10) (–9, –4), (–3, 6)

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