Handout 5: Cartesian Coordinated

For questions 1-4, calculate the distance between the two points.

- 1. C(4,8) and D(8,-4).
- 2. L(4,6) and M(7,3)
- 3. R(-5,3) and S(-10,15)
- 4. W(9,16) and Z(20,5)

For questions 5-6, find the coordinates of the midpoint of the segment with the given endpoints.

- 5. (4,8) and (8,-4)
- 6. (-5,3) and (-10,15)
- 7. Is (5.5, 5.5) the midpoint of the segment with endpoints (4, 6) and (7, 3)?
- 8. Is (14.5, 11.5) the midpoint of the segment with endpoints (9, 16) and (20, 5)?
- 9. If a line segment has one endpoint at (5,9) and a midpoint at (12,4), where is the other endpoint?
- 10. If a line segment has one endpoint at (9,-5) and a midpoint at (3,0), where is the other endpoint?

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