SoulShift

SoulShift – Educational Q&A Platform

General Questions

Practice Questions

Q1. If point C(4, 5) is the midpoint of segment AB, and A is at (2, 3), what are the coordinates of point B?

A. (6, 7)
B. (8, 9)
C. (4, 5)
D. (2, 3)

*Solution: Using the midpoint formula: B = (2*C - A) = (2*4 - 2, 2*5 - 3) = (6, 7).*

Q2. Find the coordinates of the point that divides the segment joining (1, 2) and (3, 4) in the ratio 2:1.

A. (2, 3)
B. (2.67, 3.33)
C. (2.5, 3.5)
D. (3, 4)

*Solution: Using the section formula: P(x, y) = ((2*3 + 1*1)/(2+1), (2*4 + 1*2)/(2+1)) = (2.67, 3.33).*