UNIT: AUTONOMOUS VEHICLE

ACT-BASED MATH: MAPPING AND NAVIGATION PLANNING ANSWER KEY

ACT-STYLE QUESTION:

- If the robotic car must travel from Point A to Point B (5 meters apart) using two turns, what is the optimal set of moves?

    A. Move forward 5m
    B. Move forward 3m, turn right, move forward 2m
    C. Move forward 2.5m, turn 45 degrees, move forward 2.5m
    D. Move forward 2m, turn left, move forward 3m

(Correct Answer: B)