Square
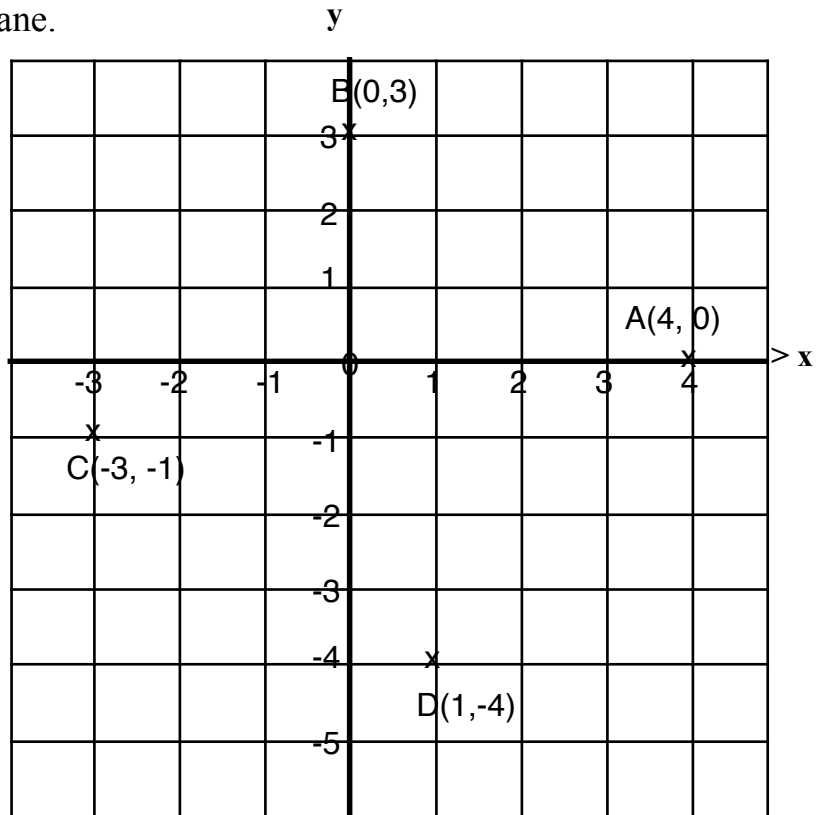
Four points, **A(4, 0), B(0, 3), C(-3, -1), and D(1, -4)**
are drawn on the x/y co-ordinate plane.

1. Find the length of the line AB.

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2. Find the slope of the line AB.

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3. Join the sides of the quadrilateral ABCD. Prove that ABCD is a square.