



Sketch the solution of $y = -3x^2 + 3x + 18$ with the turning point method. Indicate where the graph is increasing and decreasing, give the equation of the axes of symmetry and define the maximum or minimum coordinates.

Why is this technique called the “turning point method” and is there another way in which the coordinates of the turning point can be determined?

Why did the question ask for the “solution” and not the “graph”?