

$$a < 0, \quad b^2 - 4ac < 0$$

0

x_0



A Cartesian coordinate system with a horizontal x-axis and a vertical y-axis. A horizontal line representing the x-axis is labeled '0' at its intersection with the y-axis. A downward-opening parabola is plotted, entirely below the x-axis. The parabola's vertex is in the negative y-region. The x-axis is labeled 'x_0' at its right end.