Solution Quadratic function: is a function that can be written in the form: guv -aw²-bw-c where a. b. and c are real numbers and a+0. we have g/w/=3 w² - 6 w - 10, note: 3 w² - 6 w - 10 is in wg-plane Here, we know that a=3, b=-6, c=-10 Since a 0 we know that the g-coordinate of the vertex is a minimum, However, to find the g-coordinate of our vertex we first need to find the w-coordinate of the vertex by using w-b--6-1 Now that we have the w-coordinate, we can find the g-coordinate of our vertex we first need to find the w-coordinate of the vertex by using w-b--6-1 Now that we have the w-coordinate. of the vertex by finding g(1)-3(1)2-6(1)-10-3-6-10-13 Minimum-13