Salution

Since a> θ ,we know that the p-coordinate of the vertex is a minimum. However, to find the p-coordinate of our vertex we first need to find the j-coordinate of the vertex by using $j = -\frac{b}{b} = -\frac{b}{b} = -\frac{b}{b} = -\frac{b}{b}$. Now that we have the j-coordinate, we can find the p-coordinate of the vertex by using $j = -\frac{b}{b} = -\frac{b}{b} = -\frac{b}{b} = -\frac{b}{b}$.

of the vertex by finding $p(-\frac{3}{2}) = 1(-\frac{3}{2})^2 + 3(-\frac{3}{2}) - 2 = \frac{9}{2} - \frac{9}{2} - 2 = -\frac{17}{2}$ Minimum = $-\frac{17}{2}$

Here, we know that a=1, b=3, c=-2

we have $p(1)=1^2+31-2$, note: 1^2+31-2 is in ip-plane

p(i)=ai²+bi+c where a, b, and c are real numbers and a+0

Quadratic function: is a function that can be written in the form: