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

e(n)=an²+bn+c where a, b, and c are real numbers and a≠θ

we have e(n)=3 n² - 13 n - 8. note: 3 n² - 13 n - 8 is in ne-plane

Here, we know that a=3, b=-13, c=-8

Since a>0 ,we know that the e-coordinate of the vertex is a minimum. However, to find the e-coordinate of our vertex we first need to find the n-coordinate of the vertex by using n=- $\frac{b}{b}$ = $\frac{-2b}{1}$. Now that we have the n-coordinate, we can find the e-coordinate of our vertex we first need to find the n-coordinate of the vertex by using n=- $\frac{b}{b}$ = $\frac{-2b}{1}$. Now that we have the n-coordinate, we can find the e-coordinate of the vertex by using n=- $\frac{b}{b}$ = $\frac{-2b}{1}$. Now that we have the n-coordinate of the vertex by using n=- $\frac{b}{b}$ = $\frac{-2b}{1}$.

of the vertex by finding $e(\frac{13}{3}) = 3(\frac{13}{3})^2 - 13(\frac{13}{3}) - 8 = \frac{169}{3} - \frac{169}{3} - 8 = -\frac{265}{3}$ Minimum = - 265