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

h(s)=as2+bs+c where a, b, and c are real numbers and a+0

we have h(s)=2 s2 - 15 s - 7. note: 2 s2 - 15 s - 7 is in sh-plane

Here, we know that a=2, b=-15, c=-7

Since a>0 ,we know that the h-coordinate of the vertex is a minimum. However, to find the h-coordinate of our vertex we first need to find the s-coordinate of the vertex by using s=-\frac{k}{2}=-\frac{k}{2}=-\frac{k}{2}=\frac{k}{2}=\frac{k}{2}=\frac{k}{2}=-\frac{k}{2}=\frack{k}=\frack{k}=\frack{k}=\frac{k}{2}=\frac{k}{2}=\frack{k}=\frack}=\frack{k}=\fr

of the vertex by finding $h(\frac{15}{2}) = 2(\frac{15}{2})^2 - 15(\frac{15}{2}) - 7 = \frac{225}{2} - \frac{225}{2} - 7 = -\frac{281}{2}$ Minimum = $-\frac{281}{2}$