

15 (a) A graph of $f(x) = -x^2 + 3x + 3$ is shown in *Figure 15*. There is no local minimum. A local maximum of 5.25 occurs at $x = 1.5$.

(b) There is no absolute minimum. The absolute maximum of 5.25 occurs at $x = 1.5$.

$[-10, 10, 1]$ by $[-10, 10, 1]$

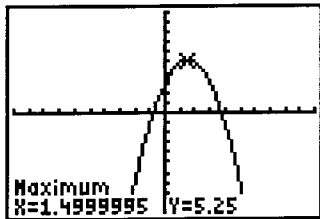


Figure 15