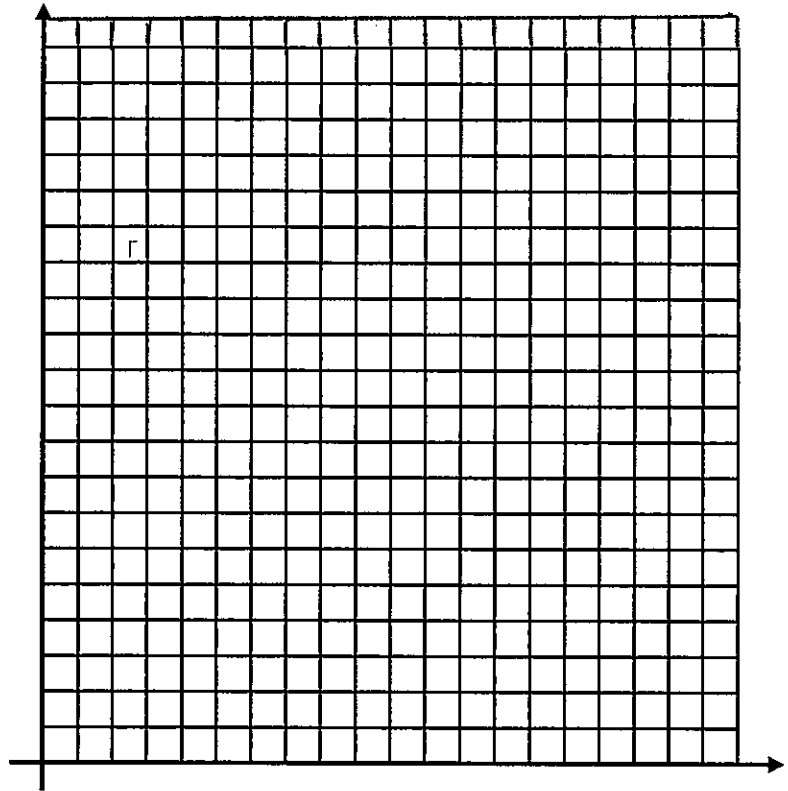


The cheerleaders at YHS launch T-shirts into the crowd every time the Huskers score a touchdown. The height of the T-shirt can be modeled by $h(x) = -4x^2 + 24x + 6$ where $h(x)$ represents the height in feet of the T-shirt after x seconds.

a) Graph the function.



b) At what height was the T-shirt launched?

c) What is the maximum height of the T-shirt? When was the maximum height reached?