F-LE Sandia Aerial Tram

Task

Albuquerque boasts one of the longest aerial trams in the world. The tram transports people up to Sandia Peak. The table shows the elevation of the tram at various times during a particular ride.

Minutes into the Ride	2	5	9	14
Elevation in Feet	7069	7834	8854	10,129

a. Write an equation for a function (linear, quadratic, or exponential) that models the relationship between the elevation of the tram and the number of minutes into the ride. Justify your choice.

b. What was the elevation of the tram at the beginning of the ride?

c. If the ride took 15 minutes, what was the elevation of the tram at the end of the ride?