The period *T* (in seconds) of a pendulum is given by  $T = 2\pi \sqrt{\left(\frac{L}{32}\right)}$ , where *L* stands for the length (in feet) of the pendulum. If  $\pi = 3.14$ , and the period is 9.42 seconds, what is the length?

The length of the pendulum is \_\_\_\_\_ feet.