• An object is cooling in such a way that its temperature in degrees Celsius after t minutes is given by $C=80-0.01t^2$. The formula $f=\frac{9}{5}c+32$ is used to convert from temperatures in Celsius to Fahrenheit. Find the temperature of the object in degrees Fahrenheit at time t.

$$f = \frac{9}{5}c + 3a$$

$$C = 80 - 0.01t^{a}$$

$$f(t) = \frac{9}{5}(80 - 0.01t^{a}) + 3a$$

$$oe$$

$$f(t) = 176 - 0.018t^{a}$$