Chapter 5 Challenge Problem

Due on September 22

Math 125 *Kovitz* Fall 2025

The formula to convert temperatures from Fahrenheit to Celsius is:

$$C° = \frac{5}{9}\left(F° - 32°\right)$$

The average daily high temperature in Seattle, Washington, in July is 77 degrees Fahrenheit, with an SD of 4.23 degrees Fahrenheit.

(a) Translate the average daily high temperature and its SD into degrees Celsius.

(b) One day's reading was 4.23 SDs above average on the Fahrenheit scale. Convert this temperature to standard units on the Celsius scale.