FARENHEIT vs. CELSIUS

A bank in town provides a sign with the current temperature. The temperature flashes alternately in
Farenheit and Celsius.

Degrees Celsius	Degrees Farenheit
5	41
10	50
20	68
25	77
30	86

1. If we consider Farenheit as a function of Celsius, what type of function is it? How do you know
   from the table given above?

2. Find an equation that models the relationship in question 1.

3. On August 14, the high temperature was 105 degrees Farenheit. What was the temperature in
   Celsius?

4. Is there any temperature that is the same in both Farenheit and Celsius? Can you find such a
   temperature both algebraically and graphically?

5. If the Celsius temperature goes up by one degree, what happens to the Farenheit temperature?