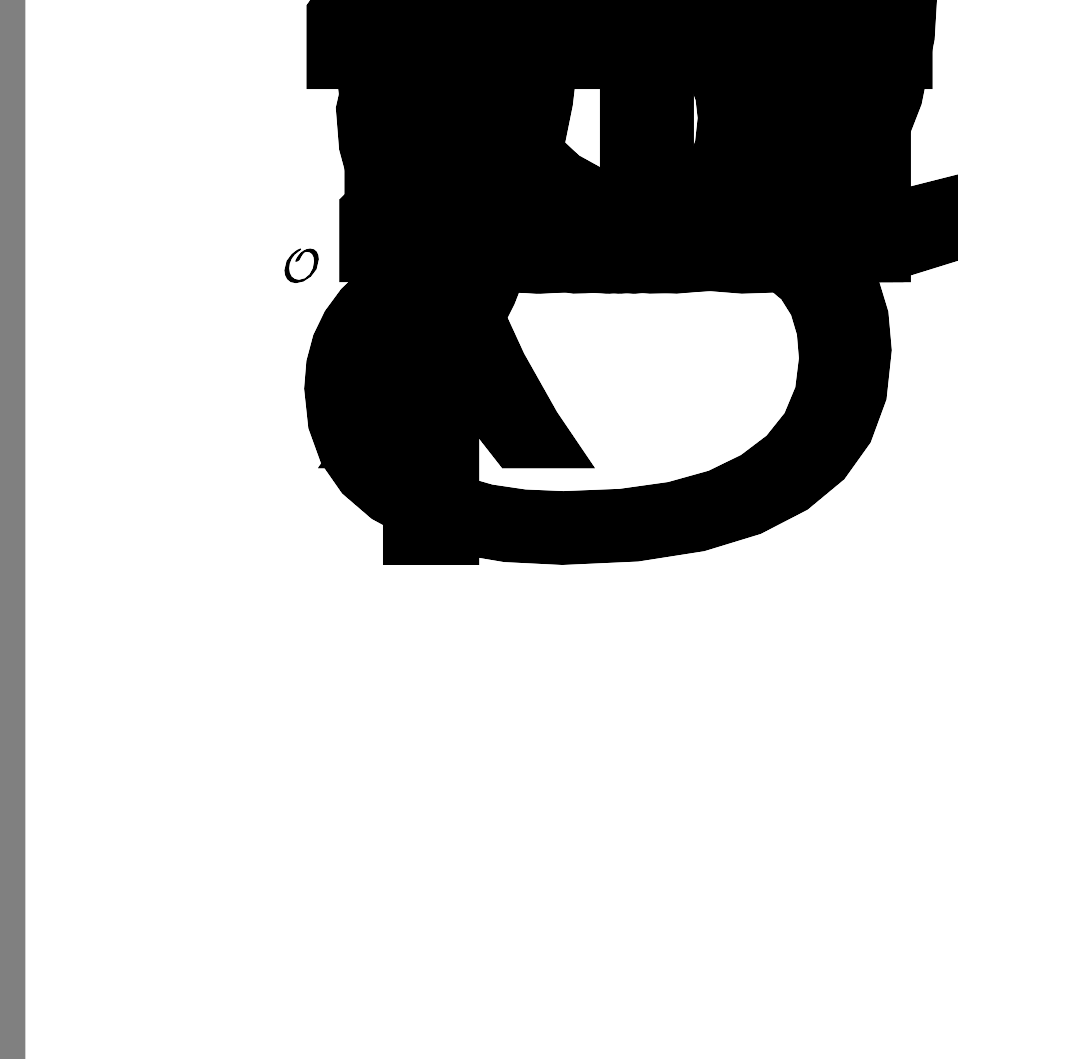
## Unit 4 Lesson 2: Understanding Points in Situations

### 1 A Day of Temperature (Warm up)

#### Student Task Statement

The temperature for a city is a function of time after midnight. The graph shows the values on a particular spring day.



1. What does the point on the graph where mean?
2. What is the temperature at 5 p.m.?
3. What is the hottest it gets on this day?
4. What is the coldest it gets on this day?

### 2 What Happens to -2?

#### Student Task Statement

For each of these equations, find the value of when .

### 3 It’s Heating Up!

#### Student Task Statement

The temperature, in degrees Fahrenheit, of a scientific sample being warmed steadily as a function of time in seconds after the sample is put in a machine can be represented by the equation .

1. What does it mean when ?
2. What is the temperature in that situation?
3. What does it mean when ?
4. A graph of this equation goes through the point . What does that mean?
5. Give 2 values for that do not make sense. Explain your reasoning.
6. Give 2 values for that do not make sense. Explain your reasoning.



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