**ProTEEM Day 2 Part I: Worksheet – Realistic Mathematics Eduction**

**Exercise A**

A white rectangular frame with black text

Description automatically generated

**Exercise B**

The temperature in a cool storage room is given by the following function:​

​  Afbeelding met tekst, Lettertype, nummer, symbool

Automatisch gegenereerde beschrijving

​*T = temperature (°C); t = time (in hours); t = 0 corresponds to 3 a.m.*​

1. Sketch the graph of this function​
2. If the temperature drops below 1 °C, there is a risk of damage to the food. How long was the temperature below 1 °C? From when to when?​
3. When did the temperature start to rise again?​
4. What temperature does the cool storage evolve to?​

**Exercise C**

A diagram of a lawn

Description automatically generated

**Exercise D**

Mr. Kok has a lawn of 16m by 40m. His lawn machine mows 40cm wide. He starts mowing on the outside and follows the perimeter. After how many laps is he halfway?​​