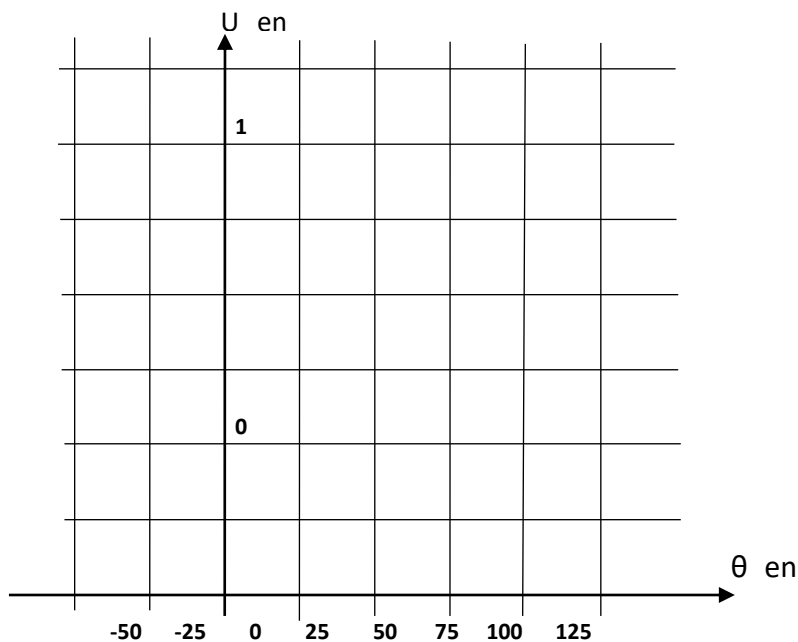




**Caractéristique donnant la tension U (en V) en fonction de la température  $\theta$  (en °C) :**



Equation  $U = f(\theta)$  :

Equation  $\theta = f(U)$  :

**Relation entre les unités °C et °F :**

**Programme :**

```
void setup() .....
{
  Serial.begin(9600); .....
}

void loop() .....
{
  float tension, degreesC, degreesF; .....
  tension = analogRead(0)*(5.0/1023.0); .....
  degreesC = (tension - 0.5) * 100.0; .....
  degreesF = degreesC * (9.0/5.0) + 32.0; .....
  Serial.print("Tension : "); .....
  Serial.print(tension); .....
  Serial.print(" deg C : "); .....
  Serial.print(degreesC); .....
  Serial.print(" deg F : "); .....
  Serial.println(degreesF); .....
  delay(1000); .....
}
```

