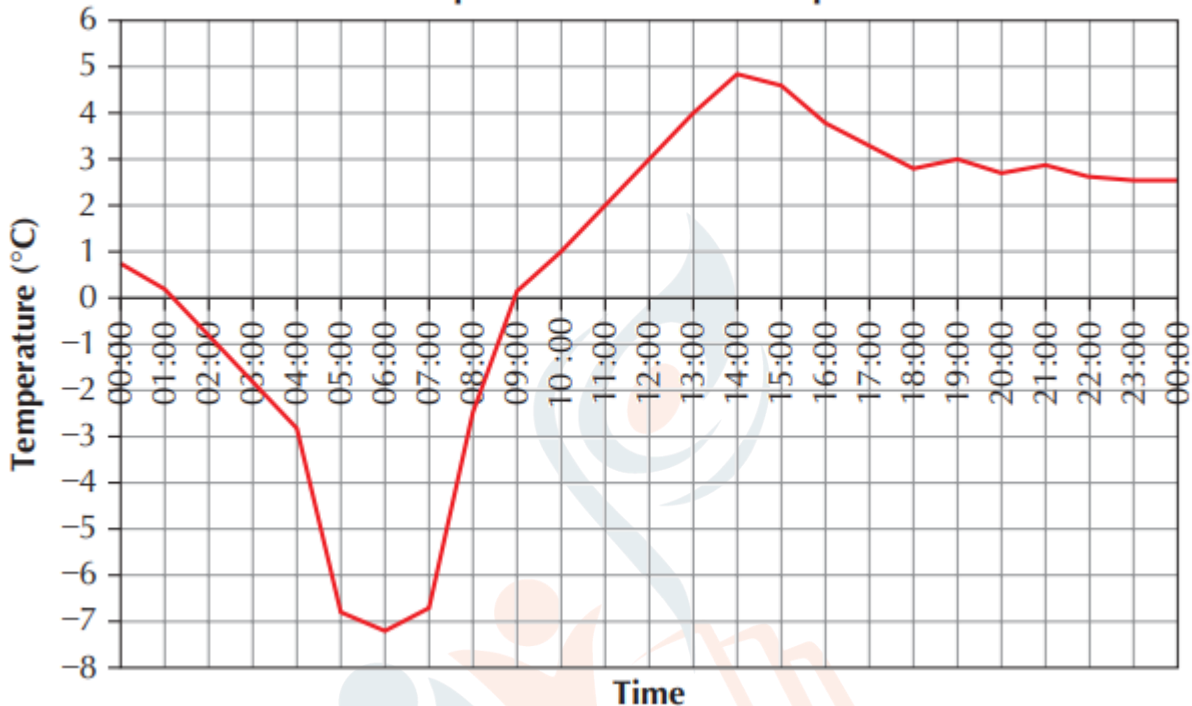Name - _ _ _ _ _ _ _ _

Start time - _ _ : _ _

End time - _ _ : _ _

Calculate coordinate gradient.

1. The graph shows the temperature variations on a winter day in Crieff.

Temperature over a 24-hour period

a) Calculate the rate of change of temperature between 09:00 and 13:00.

b) What is the maximum rate of change of temperature, and when does is take place?

c) When does the rate of change show little variation?

2. Find and simplify an expression for the gradient of the line joining G (a, a^2) and H $(-2, 4)$.

3. Calculate the gradient of the straight line joining the following pairs of points. P $(-7, -8)$ and Q $(-3, -2)$

1   2   3   4   5   6   7   8   9