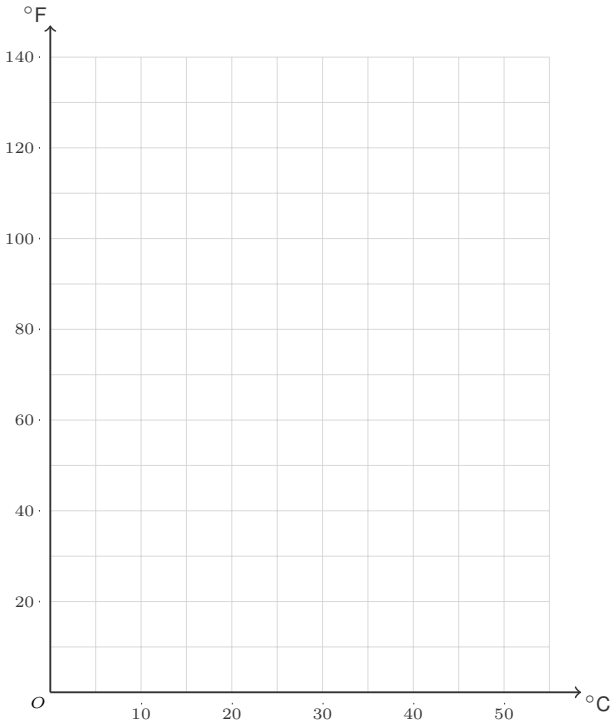
1 The table converts degrees Celsius into degrees Fahrenheit. **Plot the points, rule the line, and take it all the way to the vertical axis.**

$10°\text{C} = 50°\text{F}$ $20°\text{C} = 68°\text{F}$ $30°\text{C} = 86°\text{F}$ $50°\text{C} = 122°\text{F}$



(a) the graph (3)

(b) Convert $40°$C into Fahrenheit (2)

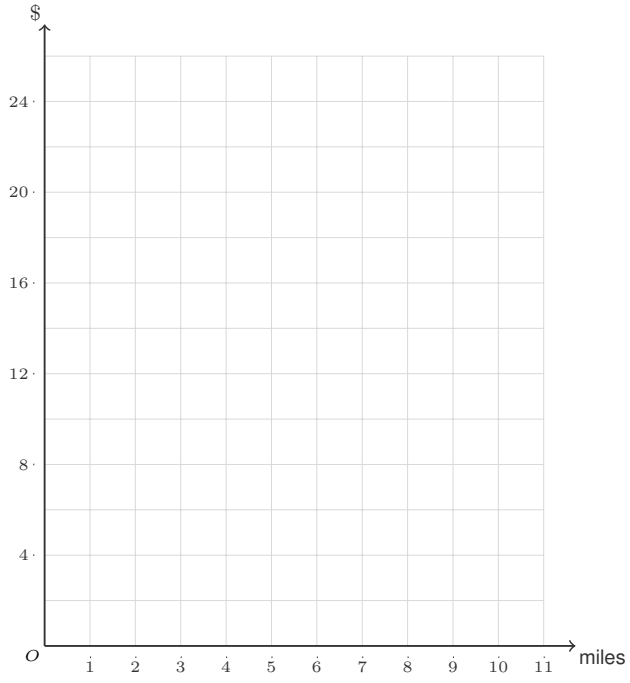
(c) **Read off what $0°$C is in Fahrenheit.** (2)

(d) **This graph does not pass through the origin. Explain what that means.** (2)

(9 marks)

2 The table gives a taxi's charges.

2 miles: \$7 4 miles: \$11 6 miles: \$15 8 miles: \$19 10 miles: \$23



(a) Plot the points and rule the line back to the vertical axis (3)

(b) Write down the gradient (1)

(c) Write down where the line crosses the vertical axis (1)

(d) **Say what each of those two numbers means.** (2)

(e) Write down the equation of the line (1)

(8 marks)

3 Three straight-line graphs all cross the vertical axis somewhere. **Say what c means in each.**

(a) kilograms against pounds, crossing at 0 (2)

(b) Celsius against Fahrenheit, crossing at 32 (2)

(c) miles against taxi fare, crossing at 3 (2)

(6 marks)