MEMORANDUM

Name: ..... Class: .....

Date: .....

MARK ____ / 10

Answer all questions. Show all your working — marks are awarded for method as well as the final answer. **Teacher copy: accept any correct equivalent method.**

1 A graph goes up steadily from left to right. Describe it in one word. (1)

Increasing ✓ (1)

2 What does a flat horizontal section of a graph tell you? (1)

The quantity is **constant** — it is not changing. ✓ (1)

3 Is a perfectly straight-line graph linear or non-linear? (1)

Linear ✓ (1)

4 Is 'the number of cars in a parking lot' discrete or continuous? (1)

Discrete — you can only count whole cars. ✓ (1)

5 Is 'the temperature during the day' discrete or continuous? (1)

Continuous — it can take any value. ✓ (1)

6 What is the name of the highest point on a graph? (1)

The **maximum** ✓ (1)

7 How do you plot $(5\ ;\ 1)$? (2)

From the origin go **5 right, then 1 up**. ✓✓ (2)

8 A distance-time graph is flat for 10 minutes. What is happening? (2)

The person is **stationary** (not moving) for those 10 minutes. ✓✓ (2)

TOTAL: 10 marks

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