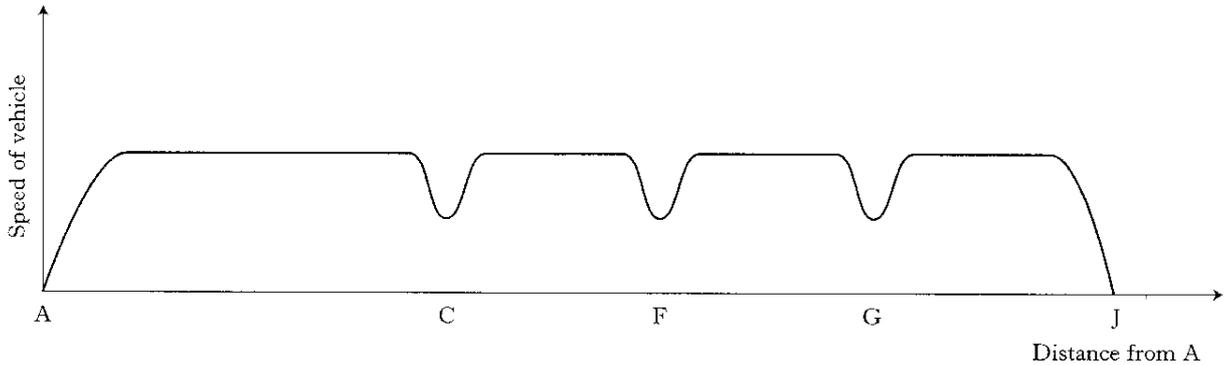


1997 — CREDIT LEVEL ANSWERS

1. $AB \doteq 84$ cm
2. (a) 650 m^3 (b) 4.2 m
3. (a) $C = 15d$ (b) $C = 10d + 50$ (c) Apex Hire
4. Area $\doteq 7500 \text{ m}^2$
5. £223.19
6. $P = 90$ mm
7. (a) A, B, E, H, I and J
(b)



8. (a) -42 (b) (i) $2x(x-3)$ (ii) $\frac{2x}{x+3}$
9. (a) $\frac{7^2 \times 8^2}{4}$ (b) $\frac{n^2 \times (n+1)^2}{4}$ (c) $\frac{n^2 \times (n+1)^2 - 7^2 \times 8^2}{4}$
10. (a) $L = kD\sqrt{S}$ (b) 42 litres
11. (a) $6a^2 - 17ab + 5b^2$ (b) $x = -\frac{1}{2}$ or 5 (c) $x = 26$
12. $GE \doteq 64$ km
13. $a = 2; k = 3$
14. (a) 20 (b) Proof (c) $2q - p = 5$ (d) $p = 1; q = 3$
15. (a) $10\sqrt{2}$ (b) $2y^3$
16. (a) 2.2 m (b) 1.75 m (c) After 2 seconds