

| Q    | Marking instructions         | AO   | Marks | Typical solution  |
|------|------------------------------|------|-------|-------------------|
| 4(a) | Obtains $y = 8\sin x + 4$ OE | 1.1b | B1    | $y = 8\sin x + 4$ |
|      | Subtotal                     |      | 1     |                   |

| Q    | Marking instructions      | AO   | Marks | Typical solution |
|------|---------------------------|------|-------|------------------|
| 4(b) | Obtains $y = 32\sin x$ OE | 1.1b | B1    | $y = 32\sin x$   |
|      | Subtotal                  |      | 1     |                  |

| Q    | Marking instructions               | AO   | Marks | Typical solution        |
|------|------------------------------------|------|-------|-------------------------|
| 4(c) | Obtains $y = 8\sin \frac{x}{2}$ OE | 1.1b | B1    | $y = 8\sin \frac{x}{2}$ |
|      | Subtotal                           |      | 1     |                         |

|  |                  |  |   |  |
|--|------------------|--|---|--|
|  | Question 4 Total |  | 3 |  |
|--|------------------|--|---|--|