



Alba Mathematics
Course Revision Task 5
Hint Sheet



Note on your review sheet if you used one of these hints

| Question | Topic | Unit | | | Hint |
|----------|---------------------------|------|-----|-----|---|
| | | APP | E&F | R&C | |
| 1 | Differentiation | | | ✓ | Chain Rule Method |
| 2 | Circle | ✓ | | | Centre required for gradient |
| 3 | Exact values | | ✓ | | Sketch a right angled triangle |
| 4 | Integration | | | ✓ | Increase indices and divide |
| 5 | Recurrence Relations | ✓ | | | Substitute to develop 2 equations |
| 6 | Graph of derived function | | ✓ | | Graph increasing $\Rightarrow f'(x) > 0 \dots\dots$ |
| 7 | Logarithms | ✓ | | | Use laws of logarithms |
| 8a | Composite functions | | ✓ | | Substitute $2x + 5$ into $g(x)$ |
| 8b | Inverse functions | | ✓ | | Change x into subject of formula |
| 9 | Wave Function | | | ✓ | Use expansion and CAST diagram |
| 10 | Differentiation | | | ✓ | Find m from $\frac{dy}{dx}$ |