| Q | Marking Instructions | AO | Marks | Typical solution |
| :---: | :--- | :---: | :---: | :---: |
| 8(a) | Uses rules of indices to express <br> $2^{(2 x+3)}$ in terms of $y$ <br> or <br> $16^{x}$ in terms of $y$, must see an <br> intermediary step, either $\left(2^{4}\right)^{x}$ or <br> $\left(4^{2}\right)^{x}$, not just $16^{x}=\left(2^{2 x}\right)^{2}$ | 1.1 a | M1 |  |

