## Question

Scheme
Marks AOs
$6 \quad 3^{x}=3 \sqrt{3}\left(9^{y+1}\right)$

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## Notes:

B1: Writes a correct equation in powers of 3 only.
M1: Complete process of writing a correct equation in powers of 3 only and using correct index laws to obtain an equation linking $x$ with $y$ without indices.
A1: $y=\frac{1}{2} x-\frac{7}{4}$ o.e. in required form.

