1 Express in Simplest Form	2 Express in Simplest Form	3 Solve the equation
$\frac{1}{2^{-1} + 1}$	$\frac{3^{-1}}{3^{-1} - 4^{-1}}$	$9^{x} -12 \times 3^{x} + 27 = 0$
Find the value of x if $64^{1-x} = 128^{-x}$	5 Expand (x ½ + y) ²	6 Solve for s and y given: 27 x = 81 y and 64 x+y = 128
7 Simplify: $\frac{81^{n-1} \times 8^m \times 3^{n+4}}{27^n \times 4^m \times (3^n)^2 \times 2^m}$	8 Solve for x $(\sqrt{x})^2 -2\sqrt{x} + 1 = 0$ $3^{2x} -2(3^x) +1 = 0$	9 Factorise and evaluate $\frac{2^{n} + 2^{n-1}}{2^{n+1} + 2^{n}}$
10 Simplify	11 Solve	12 Solve Solve for a and b if the following
$\frac{\sqrt{8x^3 y^{-2} z^2}}{2x^{-3} y^2 z^{-2}} \div \left(\frac{3x^0 y^{-1} z^{-1}}{2x^{-2} y^{-2} z^2}\right)^{-2}$	$8^{1-x} = \frac{1}{16^x}$	hold true: $3^{a-b} = \frac{1}{9}$ and $2^{b-3a} = \sqrt{4^a}$