

Indices

1. Evaluate $27^{\frac{2}{3}}$ 2 KU
2. Express in its simplest form $y^{10} \times (y^4)^{-2}$ 2 KU
3. Simplify $a^3(a^{-7} + 5)$ 2 KU
4. Express $\frac{3y^5 \times 4y^{-1}}{6y}$ in its simplest form. 3 KU
5. Express $\frac{y^4 \times y}{y^{-2}}$ in its simplest form. 2 KU
6. Express $\frac{b^{\frac{1}{2}} \times b^{\frac{3}{2}}}{b}$ in its simplest form. 2 KU
7. Remove the brackets and simplify $b^{\frac{1}{2}} \left(b^{\frac{1}{2}} + b^{-\frac{1}{2}} \right)$ 3 KU
8. Remove the brackets and simplify $a^{\frac{1}{2}} \left(a + \frac{1}{a} \right)$ 2 KU