Negative and Fractional Indices

1. Prove that $x^{\frac{1}{2}}=\sqrt{x}$

 2. Evaluate $27^{-\frac{1}{3}}$

1. Evaluate $32^{\frac{2}{5}}$
2. 4. Simplify $\left(\frac{1}{9}x^{6}y\right)^{\frac{1}{2}}$

5. Evaluate $\left(\frac{27}{8}\right)^{-\frac{2}{3}}$

6. If $b=\frac{1}{9}a^{2}$, determine $3b^{-2}$ in the form $ka^{n}$ where $k,n$ are constants

Extension



Exercise 1D Page 11