

KENDERDINE MATHS TUTORING

Year 11 Mathematics Revision Set 1

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1. Solve $\frac{x+3}{5} - \frac{2-x}{8} = -4$
2. Find the domain and range of $y = \sqrt{2-5x}$
3. Simplify $8x^3y^4 \div \frac{40x^4}{y^5}$
4. Make h the subject of $S = \frac{4}{7}(a - 2h^2)$
5. Factorize $2x^3 + 16y^6$
6. Solve $6x^2 - 13x - 5 = 0$
7. Evaluate $\frac{13.45^2 + \sqrt{19}}{18.77 \div \sqrt[3]{35}}$
8. Simplify $\frac{x^2+x}{x^2-1} + \frac{x^2-25}{x^2+4x-5}$
9. Find the original price of an article that sells for \$66.50 after a 15% discount.
10. Write 20.051 as a fraction.

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