

ALGEBRA REVISION 2
TERM 3

①

Q1. Solve equations

(a) (i) $16x - 9 = -2x + 1$

(ii) $x^4 = 256$

(iii) $2x^3 = 54$

(b) Solve $3x^2 - 5x - 2 = 0$

(c) (i) Factorise $x^2 - x - 42$

(ii) Simplify $\frac{x^2 - x - 42}{x^2 + 6x}$

Q2

(a) $V = 5\pi \sqrt{\frac{m}{k}}$

(i) if $m = 64$ and $k = 9$, find V in terms of π

(ii) Rewrite the formula with m as the subject.

(b) (i) Expand $4x(x-2)$