

(1)

Practice Algebra 2

Mahobe

Q1. (1) Expand and simplify: $(x+8)(3x-1)(4x+3)$

(2) Write in positive index form: $\frac{\sqrt{36c^{16}}}{a^3b^{-7}}$

(3) Write as a single number: $\frac{3 \log 4}{\log 2^5}$

(4) Solve

(a) $\log_x 243 = 5$

(b) $3x^2 - 8x = -4$

(c) $6^x = 31$