

Q2 (b)

(i) Solve $\frac{8-3x}{3} = 5$

Q3 (a) solve $3x(x+2)(2x-3) = 0$

(b) expand and simplify $(2x+2)(3x-1)$

(c) Factorise

(i) $x^2 - 100$

(ii) $4x^2 - 16$

(d) Simplify

(i) $\frac{m}{2} + \frac{m}{9}$

(ii) $100^{1/2}$

(iii) $\frac{8x^3y^5}{18x^{-5}}$

(iv) $\frac{7b}{c} - \frac{5c}{b^2}$

Q4 (a) Solve (i) $\frac{4x+6}{3} = \frac{7x+1}{2}$

(ii) $x^2 + 3x - 54$