



CAMI Mathematics: Grade 10
1.6 Solve the following linear equations.
(u)
$$\frac{e}{e-8} + \frac{3}{e^2-64} = 1$$

(v) $\frac{8y-16}{y^2-6y-16} = \frac{y}{y-8} - \frac{y}{y+2}$
(w) $\frac{x}{x-6} - \frac{7}{x^2-6x} = 1$
2. Solve quadratic equations by factorization.
(a) $16h^2 = -18h$
(b) $d^2 - 169 = 0$
(c) $5y^2 - 1125 = 0$
(d) $3c^2 - 243 = 0$
(e) $6x^2 - x - 1 = 0$
(f) $4g^2 = -6g - 2$
(g) $3w^3 - 192w = 0$





MEMO

Solve the following linear equations. [4.2.1.3] 1.1 (a) $\frac{y}{-11} = -6$ *y* = 66 (b) 15 + n = 22n = 22 - 15n =7 13e = 91 (c) $e = \frac{91}{13}$ e = 7 (d) -8t = 88 t = -11 Solve the following linear equations. [4.2.1.4; 4.2.1.5; 4.2.1.6; 4.2.1.7] 1.2 (e) 43p + 16 = 39p + 4443p - 39p = -16 + 444p = 28 p = 710y - 63 = 5y - 38 (f) 10y - 5y = 63 - 385y = 25 y = 5 -5n - 54 = -15n - 164 (g) -5n + 15n = 54 - 16410n = -110n = -11 -39x + 16 = -49x + 36(h) -39x + 49x = -16 + 3610x = 20x = 2















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