

Solving Equations with Powers and Roots

(a)	(b)	(c)	(d)
Solve $3x^2 - 25 = 2x^2$	Solve $4\sqrt{x} + 3 = 5\sqrt{x}$	Solve $7x^3 + 16 = 5x^3$	Solve $9 - \sqrt[3]{x} = 2\sqrt[3]{x}$
(e)	(f)	(g)	(h)
Solve $4 + 5\sqrt{x} = 2\sqrt{x} + 16$	Solve $6x^3 - 1 = 4 + x^3$	Solve $72 - x^2 = x^2 - 26$	Solve $3 - 2\sqrt{x} = \sqrt{x} - 21$
(i)	(j)	(k)	(l)
Solve $7(\sqrt[3]{x} - 1) = 13 + 3\sqrt[3]{x}$	Solve $5x^2 - 48 = 2(30 + x^2)$	Solve $3(21 - x^3) = 9 - 5x^3$	Solve $3(\sqrt{x} - 4) = 2(8 - \sqrt{x}) + \sqrt{x}$