

HLG 2
3h 7
see 7.5

Solving Radical Eqns

① $3\sqrt{x} + 3 = 15$ ② $4\sqrt{x} - 1 = 3$ ③ $\sqrt{x+3} = 5$

④ $\sqrt{3x+4} = 4$ ⑤ $\sqrt{2x+3} - 7 = 0$ ⑥ $\sqrt{6-3x} - 2 = 0$

Review - Rules of Exponents, Rational Exponents + Expressions

⑦ ^{simpul} $(125)^{-2/3}$ ⑧ $x^{1/6}, x^{1/3}$ ⑨ $\left(\frac{8x^9y^3}{27x^2y^{12}}\right)^{2/3}$ ⑩ $(-32x^{-10}y^{15})^{4/5}$

⑪ $\frac{6x+1}{x+3} + \frac{5x}{2x}$ ⑫ $\frac{x+6}{x^2+9x+18}$ ⑬ $\frac{x^2+6x-16}{x^2+x-6}$ ⑭ $\frac{8}{x^2-25} - \frac{9}{x-5}$