

Group Work - April 14, 2025

① $x - 2\sqrt{x} - 9 = 0$ (hard)
 $x - 8\sqrt{x} - 9 = 0$ (easier
corrected version)

② $\sqrt{3x+1} = 4$

③ $\sqrt{x-3} = x-5$

④ $2\sqrt{2x+5} - x = 4$

⑤ $\sqrt[3]{4x^2+7} - 2 = 0$

⑥ $\sqrt{x+2} - \sqrt{x} = 1$

⑦ $\sqrt[3]{x+1} = -3$

⑧ $\sqrt{x+5} + 1 = x$

⑨ $\sqrt{2x} - \sqrt{x+1} = 1$

⑩ $x = \sqrt{15-2x}$

⑪ $\sqrt[3]{2x+5} - 2 = 1$

⑫ $\sqrt{2x+3} - \sqrt{x+1} = 1$

⑬ $\sqrt[3]{2x^2+1} = \sqrt[3]{1-x}$

⑭ $\sqrt[3]{x+1} = \sqrt[3]{2x-1}$