

$$\sqrt{x+27} = 2 + \sqrt{x-5}$$

$$\sqrt{2x+1+2\sqrt{2x+3}} = 1$$

$$\frac{x^2-1}{2} - \frac{2-3x}{3} + 1 < 0$$

$$|x-3| + 3|x-1| < 2x+1$$

$$\frac{x+7}{x-5} + \frac{3x+1}{2} \geq 0$$

$$\frac{\sqrt[n]{a}}{\sqrt[n]{b}} = \sqrt[n]{\frac{a}{b}}$$

$$\left\{ 2, \frac{3}{2}, \frac{4}{3}, \dots, \frac{n+1}{n}, \dots \right\} = \left\{ \frac{n+1}{n} \right\}_{n=1}^{\infty} = \{a_n\}_{n=1}^{\infty}.$$