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$$\begin{aligned} 2x^2 - 4 &= x - 1 \\ 2x^2 - x - 3 &= 0 \end{aligned}$$

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진수조건에 의해서

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진수조건에 의해서

$$2x^2 - 4 > 0$$

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진수조건에 의해서

$$2x^2 - 4 > 0$$

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진수조건에 의해서

$$2x^2 - 4 > 0$$

$$x^2 - 2 > 0$$

$$(x - \sqrt{2})(x + \sqrt{2}) > 0$$

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진수조건에 의해서

$$2x^2 - 4 > 0$$

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$$(x - \sqrt{2})(x + \sqrt{2}) > 0$$

$$x < -\sqrt{2} \quad \text{또는} \quad x > \sqrt{2}$$

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$$2x^2 - 4 > 0$$

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$$(x - \sqrt{2})(x + \sqrt{2}) > 0$$

$$x < -\sqrt{2} \quad \text{또는} \quad x > \sqrt{2}$$

$$x - 1 > 0$$

$$x > 1$$

$$\therefore x = \frac{3}{2}$$

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$$(x - \sqrt{2})(x + \sqrt{2}) > 0$$

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$$\therefore x = \frac{3}{2}$$

$$\log_3(2x^2 - 4) = \log_3(x - 1)$$

Github:

<https://min7014.github.io/math20200617001.html>

Click or paste URL into the URL search bar, and you can see a picture moving.