

Bestimme die Lösungsmenge der quadratischen Gleichung.

$$\begin{aligned} 8x^2 &= 72 & | : 8 \\ x^2 &= 9 & | \sqrt{} \\ x &= \pm \sqrt{9} \\ x_1 &= +3 \\ x_2 &= -3 \\ L &= \{+3; -3\} \end{aligned}$$

$$\begin{aligned} 5x^2 &= 125 & | \\ x^2 &= & | \\ x &= & | \\ x_1 &= \\ x_2 &= \\ L &= \end{aligned}$$

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$$\begin{aligned} 5x^2 &= 845 & | \\ x^2 &= & | \\ x &= & | \\ x_1 &= \\ x_2 &= \\ L &= \end{aligned}$$

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$$\begin{aligned} 4x^2 &= 64 & | \\ x^2 &= & | \\ x &= & | \\ x_1 &= \\ x_2 &= \\ L &= \end{aligned}$$

$$\begin{aligned} 2x^2 &= 2 & | \\ x^2 &= & | \\ x &= & | \\ x_1 &= \\ x_2 &= \\ L &= \end{aligned}$$

$$\begin{aligned} 8x^2 &= 288 & | \\ x^2 &= & | \\ x &= & | \\ x_1 &= \\ x_2 &= \\ L &= \end{aligned}$$

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$$\begin{aligned} 8x^2 &= 72 & | : 8 \\ x^2 &= 9 & | \sqrt{} \\ x &= \pm \sqrt{9} \\ x_1 &= +3 \\ x_2 &= -3 \\ L &= \{+3; -3\} \end{aligned}$$

$$\begin{aligned} 5x^2 &= 125 & | : 5 \\ x^2 &= 25 & | \sqrt{} \\ x &= \pm \sqrt{25} \\ x_1 &= +5 \\ x_2 &= -5 \\ L &= \{+5; -5\} \end{aligned}$$

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$$\begin{aligned} 5x^2 &= 845 & | : 5 \\ x^2 &= 169 & | \sqrt{} \\ x &= \pm \sqrt{169} \\ x_1 &= +13 \\ x_2 &= -13 \\ L &= \{+13; -13\} \end{aligned}$$

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$$\begin{aligned} 4x^2 &= 64 & | : 4 \\ x^2 &= 16 & | \sqrt{} \\ x &= \pm \sqrt{16} \\ x_1 &= +4 \\ x_2 &= -4 \\ L &= \{+4; -4\} \end{aligned}$$

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$$\begin{aligned} 2x^2 &= 2 & | : 2 \\ x^2 &= 1 & | \sqrt{} \\ x &= \pm \sqrt{1} \\ x_1 &= +1 \\ x_2 &= -1 \\ L &= \{+1; -1\} \end{aligned}$$

$$\begin{aligned} 8x^2 &= 288 & | : 8 \\ x^2 &= 36 & | \sqrt{} \\ x &= \pm \sqrt{36} \\ x_1 &= +6 \\ x_2 &= -6 \\ L &= \{+6; -6\} \end{aligned}$$