

Aufgaben:

1) $x^2 - \frac{81}{169} = 0$

2) $5x^2 + 22x + 8 = 0$

3) $\frac{1}{5}x^2 - 405 = 0$

4) $-81x^2 - 72x - 16 = 0$

5) $-3x^2 + 4x - 14 = 0$

6) $x^2 + 4x - 45 = 0$

7) $\frac{1}{2}x^2 - \frac{1}{20}x - \frac{3}{100} = 0$

8) $x^2 + 2x - 2\frac{1}{16} = 0$

9) $x^2 - \frac{1}{9} = 0$

10) $49x^2 - 21x + 2 = 0$

11) $-\frac{1}{4}x^2 + 400 = 0$

12) $-1\frac{1}{5}x^2 + 7x - 10 = 0$

13) $x^2 + \frac{1}{6}x - \frac{1}{6} = 0$

14) $-x^2 - \frac{2}{9}x - 4\frac{1}{81} = 0$

15) $7x^2 + 14x + 7 = 0$

Lösung:

$L = \left\{-\frac{9}{13}; \frac{9}{13}\right\}$

$L = \{-4; -\frac{2}{5}\}$

$L = \{-45; 45\}$

$L = \{-\frac{4}{9}\}$

$L = \{\}$

$L = \{-9; 5\}$

$L = \{-\frac{1}{5}; \frac{3}{10}\}$

$L = \{-2\frac{3}{4}; \frac{3}{4}\}$

$L = \{-\frac{1}{3}; \frac{1}{3}\}$

$L = \{\frac{1}{7}; \frac{2}{7}\}$

$L = \{-40; 40\}$

$L = \{2\frac{1}{2}; 3\frac{1}{3}\}$

$L = \{-\frac{1}{2}; \frac{1}{3}\}$

$L = \{\}$

$L = \{-1\}$