

Aufgabe 1

$$a = 3, b = 10, c = -8; D = 196; L = \left\{ \frac{2}{3}, -4 \right\}$$

Aufgabe 2

$$a = 4, b = -12, c = 9; D = 0; L = \left\{ \frac{3}{2} \right\}$$

Aufgabe 3

$$a = 1, b = -2, c = 10; D = -36; L = \{ \}$$

Aufgabe 4

$$a = 1, b = -4, c = -1; D = 20; L = \left\{ 2 + \sqrt{5}, 2 - \sqrt{5} \right\}$$

Aufgabe 5

$$a = 1, b = 2\sqrt{7}, c = 7; D = 0; L = \left\{ -\sqrt{7} \right\}$$

Aufgabe 6

$$a = 1, b = -3, c = \frac{7}{4}; D = 2; L = \left\{ \frac{3 + \sqrt{2}}{2}, \frac{3 - \sqrt{2}}{2} \right\}$$

Aufgabe 7

$$a = 1, b = -10, c = 29; D = -16; L = \{ \}$$

Aufgabe 8

$$a = 1, b = -2\sqrt{3}, c = 1; D = 8; L = \left\{ \sqrt{3} + \sqrt{2}, \sqrt{3} - \sqrt{2} \right\}$$