

$$4) \quad 5x^2 + 19x - 30 = 5(x - 1,4)(x + 4) = (5x - 7)(x + 4)$$

$$D = 19^2 + 600 = 961$$

$$\sqrt{D} = 31$$

$$x_1 = \frac{-19 + 31}{2 \cdot 5} = 1,4$$

$$x_2 = \frac{-19 - 31}{10} = -4$$

$$5) \quad 20x^2 + 31x + 12 = 20(x + 0,8)(x + 0,75) = (5x + 4)(4x + 3)$$

$$D = 961 - 960 = 1$$

$$\sqrt{D} = 1$$

$$x_1 = \frac{-31 - 1}{40} = -\frac{32}{40} = -0,8$$

$$x_2 = \frac{-31 + 1}{40} = -\frac{30}{40} = -0,75$$