

Použitím vhodnej substitúcie riešte v R rovnice:

$$91. \left(\frac{x-2}{x+3} - 3 \right) \left(\frac{x+3}{x-2} - 1 \right) = \frac{2-x}{x+3} \quad [17]$$

$$92. \left(\frac{x-1}{x+1} - 2 \right) \left(\frac{x+1}{x-1} - 1 \right) = \frac{1-x}{x+1} \quad [5]$$

$$93. \left(\frac{x-3}{x+2} - 5 \right) \left(\frac{x-3}{x+2} + 3 \right) - 9 = 0 \quad [-3; -1]$$

$$94. \left(3 \cdot \frac{3x+2}{x-1} - 2 \right) \left(\frac{x-1}{3x+2} - 1 \right) = \frac{3x+2}{1-x} \quad [-4; -1]$$

$$95. \left(\frac{x+10}{x+2} \right)^2 + 5 \cdot \frac{x+10}{x+2} - 14 = 0 \quad [-3; 6]$$

$$96. \left(\frac{x+7}{x-3} \right)^2 + 7 \cdot \frac{x+7}{x-3} - 18 = 0 \quad [2; 13]$$

$$97. \left(\frac{x+1}{x+2} \right)^2 + 5 = 14 \cdot \left(\frac{x+2}{x+1} \right)^2 \quad [-3 - \sqrt{2}; -3 + \sqrt{2}]$$

$$98. x^4 - 14x^2 + 45 = 0 \quad [-3; -\sqrt{5}; \sqrt{5}; 3]$$

$$99. 4x^4 - 37x^2 + 9 = 0 \quad [-3; 3; -\frac{1}{2}; \frac{1}{2}]$$

$$100. x^6 - 28x^3 + 27 = 0 \quad [1; 3]$$

$$101. 8x^6 - 17x^3 + 2 = 0 \quad [\frac{1}{2}; \sqrt[3]{2}]$$

$$102. 100x^{-4} + 21x^{-2} - 1 = 0 \quad [-5; 5]$$

$$103. (x-5)^4 - 7(x-5)^2 = 44 \quad [5 - \sqrt{11}; 5 + \sqrt{11}]$$