Rozložte funkciu $r(x)$ nad R

1. $r(x) = \dfrac{x}{x^2 + 2x - 3}$.

2. $r(x) = \dfrac{x^4 + 1}{x^2 + 2x - 3}$.

3. $r(x) = \dfrac{3x^2}{x^3 - 1}$.

4. $r(x) = \dfrac{4x^2 + 4x - 1}{4x^3 + 4x^2 - 7x + 2}$.

5. $r(x) = \dfrac{x^3 + 4x^2 - 25x + 36}{x^4 - 6x^3 + 8x^2 + 6x - 9}$.

6. $r(x) = \dfrac{x^2 + x}{8x^3 + 36x^2 + 54x + 27}$.

7. $r(x) = \dfrac{x^3 + 20x^2 6x + 10}{x^4 + 2x^3 - 2x^2 + 8}$.

8. $r(x) = \dfrac{x^3 - 5x^2 - 17x - 16}{(x - 3)(x + 2)(x^2 + 2x + 2)}$.

9. $r(x) = \dfrac{x^6}{(x + 1)^4}$.

10. $r(x) = \dfrac{x^3}{(x^2 + 6x + 10)(x^2 - 2x + 5)}$.