

مثالها

مثال) برد توابع زیر را به دست آورید.

1) $y = \frac{2x-2}{x^2+1}$

2) $y = \frac{x^2+1}{x^2-1}$

3) $y = \frac{x^{100}-x}{x-x^{100}}$

4) $y = \frac{x^3+x}{x}$

5) $y = \frac{x^3+3x^2+2x}{x(x+1)(x^2-4)}$

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

7) $y = \frac{-x^2-3}{x^2+4}$

8) $y = \frac{x^2+3x-4}{x^2-2x+1}$

9) $y = \frac{x^7-x^6}{x^7+x^6}$

10) $y = \frac{x^3-x}{x^3+x} + \frac{1-x}{x-1} + \frac{x^2-4}{4-x^2}$

11) $y = \frac{x^3-3x+2}{x^2+x-2}$

12) $y = \frac{1}{x^3+1}$

13) $y = \frac{x^{10}+x^8}{x^6+x^4}$