

مثالها

مثال) برد توابع زیر را به دست آورید.

1) $y = 2[x] + 2[-x]$

2) $y = \frac{x + [x - [x]]}{x + [x] + [-x]}$

3) $y = \frac{[x+1] + [-x]}{[1-x] + [x]}$

4) $y = \frac{2x+1}{[1-x] + [x+1]} + \frac{[[x]-x]}{[x] + [-x]}$

5) $y = \left[\frac{x^4 + 2x^2 + 2}{x^4 + 4x^2 + 5} \right] + \frac{x - [x]}{[x+1] + [1-x]}$

6) $y = \frac{x - [x]}{[x] + [-x]}$

7) $y = ax - [ax]$

8) $y = 2[x] - 2x + 3$

9) $y = x + [x]$

10) $y = 2x - 2[x] + 4$

11) $y = x^2 - [x^2 + 1]$

12) $y = 3[x] + 3[-x] + 2$

13) $y = 2x + [-x] - [x]$

14) $y = \begin{cases} \frac{x}{[x]} & ; x < 0 \\ 0 & ; x \geq 0 \end{cases}$

15) $f(x) = \frac{x}{[x]}$

16) $y = 2x - [2x] + 4$

17) $y = \frac{[-x] + [x+2] - 2}{[x-2] + [-x] + 2}$

18) $y = \frac{[[x]-x]}{[1-x] + [x-1]}$

19) $y = \frac{[4-x] + [-x]}{[3-x] + [1-x]}$

20) $y = \frac{[-x] + [x+2]}{[x+2] + [-x] - 2}$

21) $y = \frac{x}{[1-x] + [x-1]}$

22) $y = \frac{2[x] - 2x}{x - [x]}$

23) $f(x) = \sqrt{[2x] - 2[x]}$

24) $f(x) = \sqrt{[3x] - 3[x]}$

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$$25) f(x) = \sqrt{[2x] - \left[x + \frac{1}{2}\right]}$$

$$26) f(x) = \left[\frac{x^2}{x^2 + 1} \right]$$

$$27) f(x) = \left[\frac{2x}{x^2 + 1} \right]$$