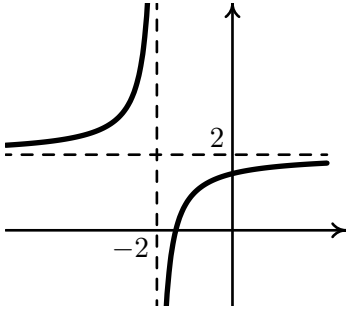


K danému grafu vyberte správný funkční předpis:

1.

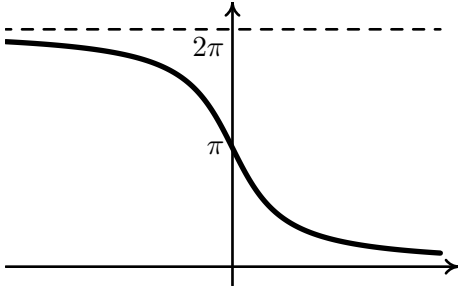


A. $y = 2 - \frac{1}{2+x}$ D. $y = 2 - \frac{1}{x-2}$

B. $y = 2 + \frac{1}{2+x}$ E. $y = \frac{1}{2+x} - 2$

C. $y = 2 - \frac{1}{2-x}$ F. $y = 2 + \frac{1}{2-x}$

2.

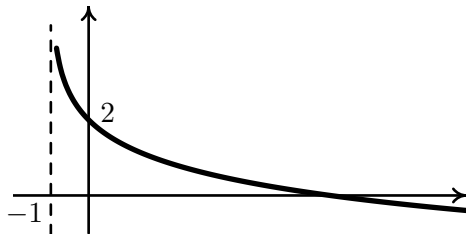


A. $y = 2 \arccos x$ D. $y = \pi - 2 \arctg x$

B. $y = -2 \arccos x$ E. $y = \pi + 2 \arctg x$

C. $y = \arccos x + \frac{\pi}{2}$ F. $y = \arctg x + \frac{\pi}{2}$

3.

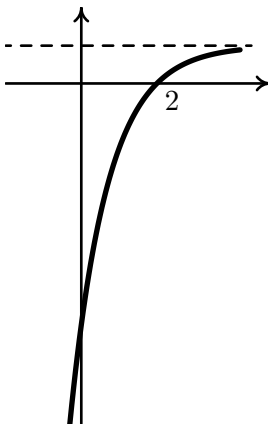


A. $y = \log_{\frac{1}{2}}(x+1) - 2$ D. $y = \left(\frac{1}{2}\right)^x + 1$

B. $y = \log_2(x+1) + 2$ E. $y = \left(\frac{1}{2}\right)^{1-x} + 1$

C. $y = \log_{\frac{1}{2}}(x+1) + 2$ F. $y = 2 - \log_{\frac{1}{2}}(x+1)$

4.

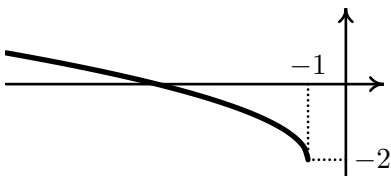


A. $y = 1 - e^{2+x}$ D. $y = 1 + e^{2+x}$

B. $y = 1 + e^{2-x}$ E. $y = 1 - e^{-2-x}$

C. $y = e^{2-x} - 1$ F. $y = 1 - e^{2-x}$

5.

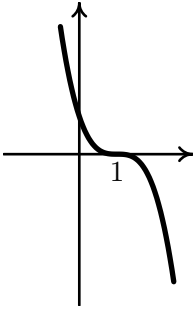


A. $y = \sqrt{-x-1} - 2$ D. $y = \ln(x-1) - 2$

B. $y = 2 - \ln(x+1)$ E. $y = \ln(x+1) - 2$

C. $y = \ln(1-x) - 2$ F. $y = 2 - \sqrt{x+1}$

6.

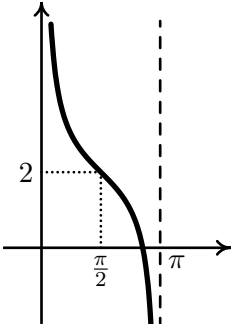


A. $y = (x + 1)^3$ **D.** $y = \operatorname{tg}(x - 1)$

B. $y = (-x)^3 - 1$ **E.** $y = \operatorname{cotg}(x - 1)$

C. $y = -\operatorname{tg}(x - 1)$ **F.** $y = (-x + 1)^3$

7.

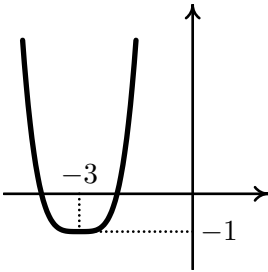


A. $y = 2 - (x - \frac{\pi}{2})^3$ **D.** $y = \operatorname{tg}(\frac{\pi}{2} - x) + 2$

B. $y = 2 - (x + \frac{\pi}{2})^3$ **E.** $y = \operatorname{cotg}(x - \frac{\pi}{2}) - 2$

C. $y = \operatorname{tg}(x - \frac{\pi}{2}) + 2$ **F.** $y = -\operatorname{cotg}(x - \frac{\pi}{2}) + 2$

8.

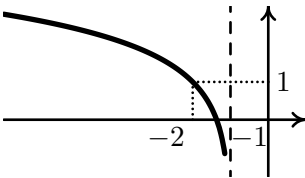


A. $y = -1 + (x + 3)^5$ **D.** $y = -1 + (x - 3)^5$

B. $y = -1 + (x + 3)^4$ **E.** $y = 1 - (x + 3)^4$

C. $y = -1 + (x - 3)^4$ **F.** $y = 1 - (x + 3)^5$

9.

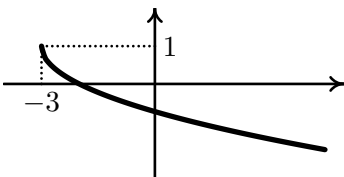


A. $y = \sqrt{x + 2} + 1$ **D.** $y = 1 + \ln(-1 - x)$

B. $y = \sqrt{2 - x} + 1$ **E.** $y = 1 - \ln(1 - x)$

C. $y = \ln(4 - x) + 1$ **F.** $y = -e^{x+2} - 1$

10.

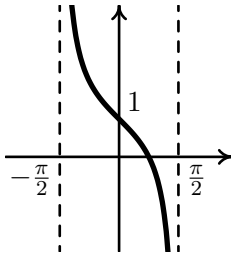


A. $y = \sqrt{x + 3} + 1$ **D.** $y = \ln(x - 3) + 1$

B. $y = -\ln(x - 3) + 1$ **E.** $y = 1 - \sqrt{x + 3}$

C. $y = \ln(3 - x) + 1$ **F.** $y = \sqrt{3 - x} + 1$

11.

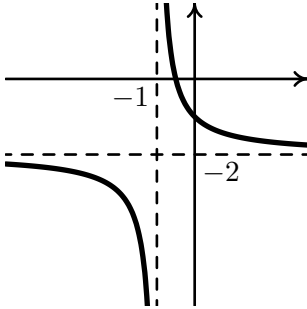


A. $y = (x - \frac{\pi}{2})^3 + 1$ **D.** $y = \cotg x + 1$

B. $y = -\cotg(x + \pi) + 1$ **E.** $y = -x^3 + 1$

C. $y = \cotg(x + 1)$ **F.** $y = 1 - \tg(x - 3\pi)$

12.

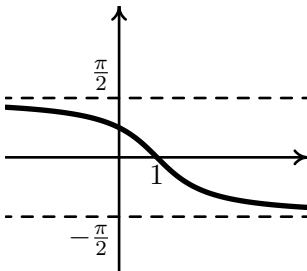


A. $y = \frac{1}{x-1} - 2$ **D.** $y = 2 - \frac{1}{x+1}$

B. $y = \frac{1}{x+1} + 2$ **E.** $y = 2 - \frac{1}{x-1}$

C. $y = \frac{1}{x+1} - 2$ **F.** $y = \frac{1}{1-x} - 2$

13.

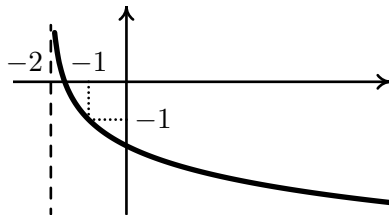


A. $y = \text{arctg}(x - 1)$ **D.** $y = -\arcsin(x - 1)$

B. $y = \text{arccotg}(x - 1)$ **E.** $y = 1 - \arcsin x$

C. $y = \text{arctg}(-x + 1)$ **F.** $y = \text{arccotg} x - \frac{\pi}{2}$

14.

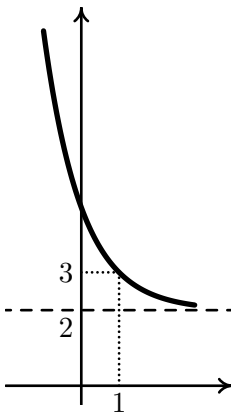


A. $y = (\frac{1}{3})^{x+1} - 2$ **D.** $y = -3^{x+1} - 2$

B. $y = -\sqrt{x+1} - 1$ **E.** $y = \log_{\frac{1}{3}}(x+2) - 1$

C. $y = \log_3(x+2) - 1$ **F.** $y = -3^{x-1} - 2$

15.



A. $y = 2 + e^{1-x}$ **D.** $y = 2 + e^{1+x}$

B. $y = \sqrt{x-1} + 3$ **E.** $y = 2 - e^{x+1}$

C. $y = \log_{\frac{1}{2}}(x+1) + 2$ **F.** $y = \sqrt{x+1} + 3$

Řešení:

1.A, 2.D, 3.C, 4.F, 5.A, 6.F, 7.D, 8.B, 9.D, 10.E, 11.F, 12.C, 13.C, 14.E, 15.A