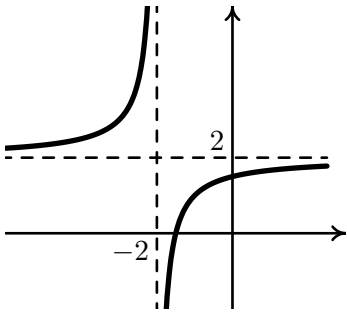


1.

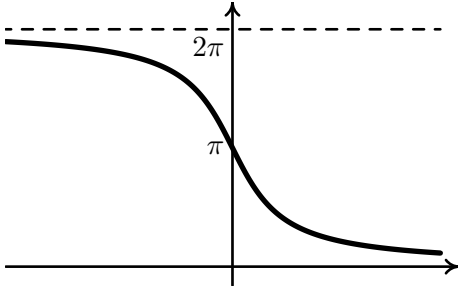


A.  $y = 2 - \frac{1}{2+x}$     D.  $y = 2 - \frac{1}{x-2}$

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.

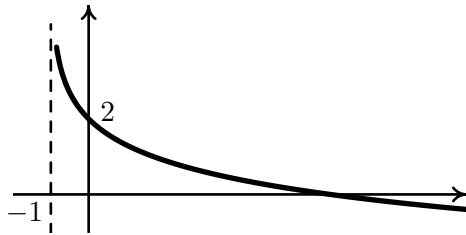


A.  $y = 2 \arccos x$     D.  $y = \pi - 2 \operatorname{arctg} x$

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

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

3.

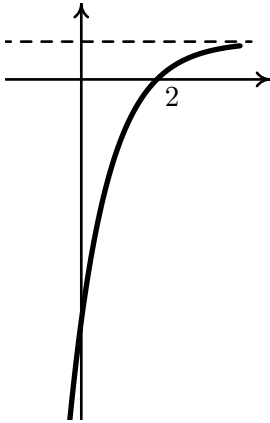


A.  $y = \log_{\frac{1}{2}}(x+1) - 2$     D.  $y = \left(\frac{1}{2}\right)^x + 1$

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.

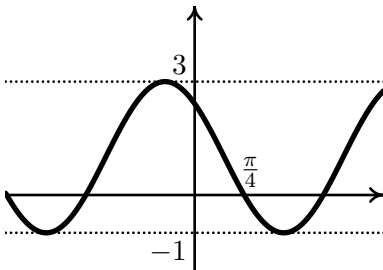


A.  $y = 1 - e^{2+x}$     D.  $y = 1 + e^{2+x}$

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\*.

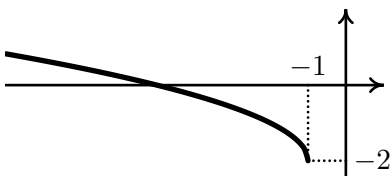


A.  $y = 1 + 2 \sin(x - \frac{\pi}{4})$     D.  $y = 1 - \frac{1}{2} \cos(x - \frac{\pi}{4})$

B.  $y = 1 - 2 \sin(x - \frac{\pi}{4})$     E.  $y = 1 - \frac{1}{2} \sin(x - \frac{\pi}{4})$

C.  $y = 1 - 2 \cos(x - \frac{\pi}{4})$     F.  $y = 1 + \frac{1}{2} \sin(x - \frac{\pi}{4})$

6.

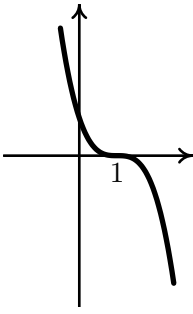


A.  $y = \sqrt{-x-1} - 2$     D.  $y = \ln(x-1) - 2$

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

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

7.

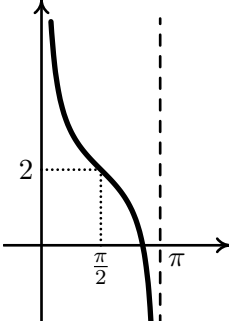


A.  $y = (x + 1)^3$       D.  $y = \operatorname{tg}(x - 1)$

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

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

8.

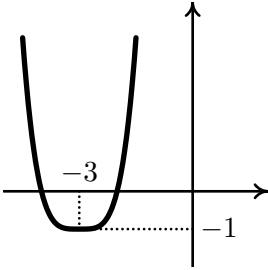


A.  $y = 2 - (x - \frac{\pi}{2})^3$       D.  $y = \operatorname{tg}(\frac{\pi}{2} - x) + 2$

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

9.

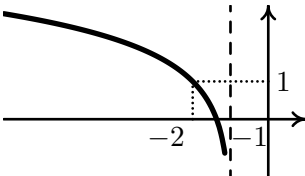


A.  $y = -1 + (x + 3)^5$       D.  $y = -1 + (x - 3)^5$

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

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

10.

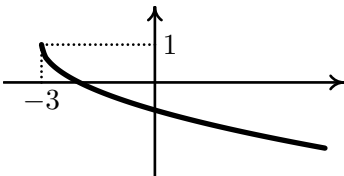


A.  $y = \sqrt{x + 2} + 1$       D.  $y = 1 + \ln(-1 - x)$

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

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

11.

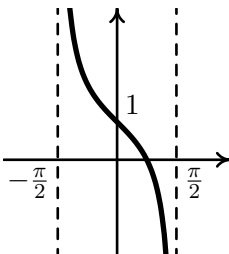


A.  $y = \sqrt{x + 3} + 1$       D.  $y = \ln(x - 3) + 1$

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

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

12.

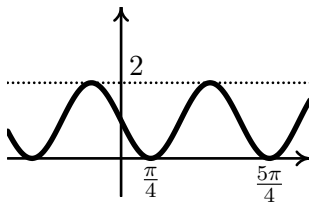


A.  $y = (x - \frac{\pi}{2})^3 + 1$       D.  $y = \operatorname{cotg} x + 1$

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

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

13\*.

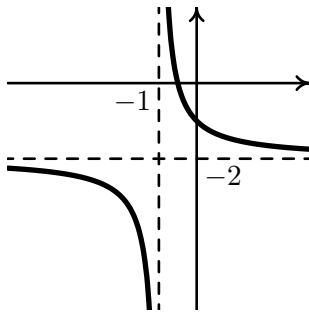


A.  $y = 1 + \cos\left(\frac{1}{2}\left(x - \frac{\pi}{2}\right)\right)$     D.  $y = 1 + \cos\left(\frac{1}{2}\left(x + \frac{\pi}{2}\right)\right)$

B.  $y = 1 + \sin\left(2\left(x - \frac{\pi}{2}\right)\right)$     E.  $y = 1 + \cos\left(2\left(x - \frac{\pi}{2}\right)\right)$

C.  $y = 1 + \sin\left(\frac{1}{2}\left(x + \frac{\pi}{2}\right)\right)$     F.  $y = 1 - \sin\left(2\left(x - \frac{\pi}{2}\right)\right)$

14.

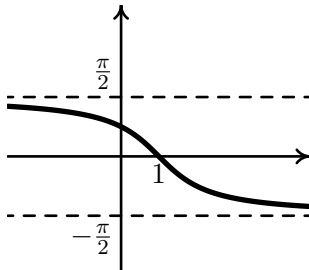


A.  $y = \frac{1}{x-1} - 2$     D.  $y = 2 - \frac{1}{x+1}$

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

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

15.

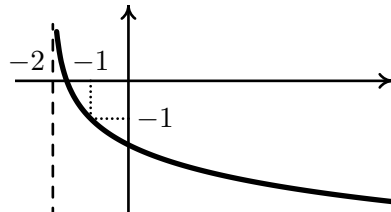


A.  $y = \arctg(x-1)$     D.  $y = -\arcsin(x-1)$

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

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

16.

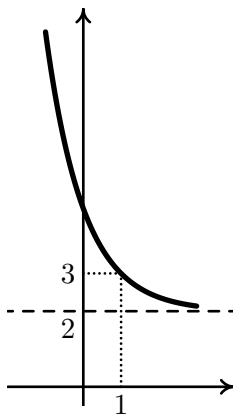


A.  $y = \left(\frac{1}{3}\right)^{x+1} - 2$     D.  $y = -3^{x+1} - 2$

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

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

17.

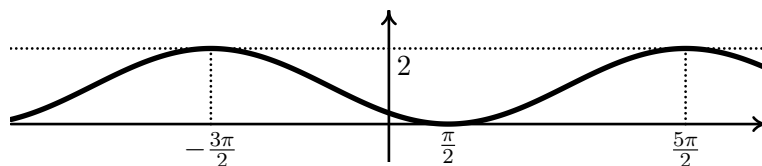


A.  $y = 2 + e^{1-x}$     D.  $y = 2 + e^{1+x}$

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

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

18\*.



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

B.  $y = 1 - \sin\left(2\left(x - \frac{\pi}{2}\right)\right)$     E.  $y = 1 - \cos\left(\frac{1}{2}\left(x - \frac{\pi}{2}\right)\right)$

C.  $y = 1 - \cos\left(2\left(x - \frac{\pi}{2}\right)\right)$     F.  $y = 1 + \cos\left(2\left(x - \frac{\pi}{2}\right)\right)$

**Řešení:**

1.A, 2.D, 3.C, 4.F, 5.B, 6.A, 7.F, 8.D, 9.B, 10.D, 11.E, 12.F, 13.B, 14.C,  
15.C, 16.E, 17.A, 18.E