

GABARITO:

1) $F(t) = \frac{t^4}{2} - \frac{5t^3}{3} - \frac{3t^2}{2} + 4t + c$

2) $F(t) = \frac{at^6}{6} + c$

3) $F(t) = \ln(t) + c$

4) $F(t) = \frac{(e^t + 1)^4}{4} + c$

5) $F(\theta) = \frac{\ln(a + be^\theta)}{b} + c$

6) $F(t) = \frac{\text{sen}^2(t)}{2} + c$

7) $F(t) = \frac{\text{sen}(nt)}{n} + c$

8) $F(t) = -e^{-t} + c$

9) $F(t) = \text{sen}(e^t) + c$

10) $F(t) = \frac{5 \cdot t}{2} - \frac{\text{sen}(10x)}{4} + c$

11) $F(t) = -e^{\frac{1}{t}} + c$

12) $F(t) = t + \ln(t+1) + c$

13) $F(t) = \frac{te^{at}}{a} - \frac{e^{at}}{a^2} + c$

14) $F(t) = \ln(t) \frac{t^2}{2} - \frac{1t^2}{4} + c$

15) $F(t) = -t^2 \cos(t) + 2t \text{sen}(t) + 2 \cos(t) + c$

16) $F(\theta) = \frac{\cos(\theta)e^\theta}{2} + \frac{\text{sen}(\theta)e^\theta}{2} + c$

17) 0

18) $e^1 - 1$

19) π

20) $1 - e^{-2}$