```
colarlo 1, dista de surcícios 7
 10 X0 = 36 FIX) = \( \nabla \times
                          dx = 0,7 \qquad f'(x) = 1
          Dry = dry = F'(xo). de
                                       dy = 1, 0,7 = 1, 0,7 = 1, 7 = 7
ly=\Delta y=f(x_0+\Delta x)-f(x_0)
                   = f(36+0,7) - f(x_0) = \sqrt{36},7 - \sqrt{36}
  7 + \sqrt{36} = 7 + 6 = 6,058
  26 f(x0+Dx) ~ f'(x0). Dx + f(x0)
          x = 16 F(x) = 1x
 0 \times 0 = 10
0 \times
     f(16-1) \simeq f'(x_0) \cdot \Delta x + f(x_0) = 1 \cdot -1 + \sqrt[4]{16}
     = 1.0 - 1 + 2 = 1,96875
 1c x0 = 100 F(x) = \( \sqrt{x} \)
                                                                                     f'(x) = 1
    \Delta x = 3
       f(100+3) \simeq f'(x0) \cdot 0x + f(x0) = \frac{1}{2\sqrt{100}} \cdot 3 + 10 = \frac{3}{20} + 10 = 10,15
 1d co2 (43°) - × 0= 1/4 = 45°
                                                                           Ax = - T/90 = -2°
                                                                                                                                                f'(x) = -senx
        f(x_0 + \Delta x) = f(\sqrt{1/4} - \sqrt{1/90}) = f(43°) \simeq f(\sqrt{4}) \cdot -\sqrt{1/90} + f(\sqrt{1/4})
```