1.
$$F(\lambda(t)) = F(\cos(t), \operatorname{sent})$$
 $F(\lambda(t)) = (-16 \operatorname{sent}) + \operatorname{sen}(\cos(t))^2 + \frac{2}{5} \operatorname{ent}^2 + 3(\cos(t))^2$
 $F(\lambda(t)) = (-16 \operatorname{sen}(t) + \operatorname{sen}(\cos(t))^2 + \frac{2}{5} \operatorname{ent}^2 + 3(\cos^2(t))^2$

2. $\lambda'(t) - (-\operatorname{sent}) \cos t$
 $W = \int_{\lambda}^{3\pi/4} \frac{3\pi/4}{(-16 \operatorname{sen}(t) + \operatorname{sen}(\cos(t)) + 3\cos^2(t))} dt$
 $\int_{\lambda}^{3\pi/4} \frac{3\pi/4}{(-16 \operatorname{sen}(t) + \operatorname{sen}(\cos(t)) + 3\cos^2(t))(\cos(t))}{(-\operatorname{sen}(t)) + (-\operatorname{sen}(t)) + (-\operatorname{sen}(t) + 3\cos^2(t))(\cos(t))} dt$
 $\int_{\lambda}^{3\pi/4} \int_{\lambda}^{3\pi/4} \frac{3\pi/4}{(-36 \operatorname{sen}(t) - \operatorname{sen}(\cos(t)))(-\operatorname{sen}(t))}{(-\operatorname{sen}(t)) + (-\operatorname{sen}(t) + 3\cos^2(t))(\cos(t))} dt$

$$\left[8t - 4 \sin(2t) + 2 \cos(t) - \sin(2 \cos(t)) + 4 e^{\sin(t)} \right]$$

$$+ \left(\cos^{2}(t) + 2 \right) \cdot \operatorname{sen}(t) \left[\frac{3\pi}{4} \right] + 2 \cdot \left(\cos(\frac{3\pi}{4}) - \sin(2 \cos(\frac{3\pi}{4})) \right) + 4 e^{\sin(\frac{3\pi}{4})} + 2 e^{\sin(\frac{3\pi}{$$

