Teste 1 - 22 Novembro 2010

· Gupo I

1c) F. 
$$F'(x) = -\frac{2}{4+x^2} \neq f(x)$$

e Jup I

$$2b)$$
  $-e^{\cos x} - 4 \sin^{3}(5x) + C$ 

2d) 
$$\int x \ln(x^2) dx = \frac{x^2 \ln(x^2)}{2} - \frac{x^2}{2} + C \cdot \left( \text{Repa primitivasor} \right)$$

3. 
$$\frac{A}{x-1} + \frac{B}{(2-1)^2} + \frac{C}{x} + \frac{D}{x+2} + \frac{Ex+F}{x^2+3}$$

· Gupo III

$$\frac{3}{3}$$
,  $-\cos x + \frac{\cos^3 x}{3} + C$