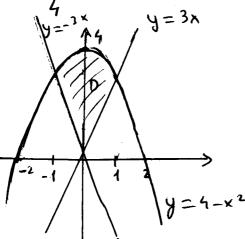
1a) F. 
$$\int_{0}^{3} f(z) dx = 3\frac{5}{4}$$



36) ana (0) = 
$$\int_{-1}^{0} [(4-x^2)-(-3x)] dx + \int_{0}^{1} [(4-x^2)-3x] dx$$
  
=  $\frac{26}{6}$ 

4a) 
$$Vols = \pi \int_{-1}^{1} [(x+1)^2 - (x^2-1)^2] dx = 8\pi$$

$$5h$$
) and  $(0) = \int_{-10}^{1} e^{x} dx = e$