Sketch the graphs then solve the following problems. Show your work in order to receive credit. (5 pts. each).

1) Find the area of the region bounded by the graphs of \( y = -\sqrt{x}, \) \( y = -\frac{1}{4}x, \) and the line with equation \( x = 4. \)

2) Find the area of the region bounded by the graphs of \( y = 2y, \) and \( x = y^2 - 3. \)
3) Find the area of the region bounded by the graphs of \( y = x^3, y = x + 6, \) and the \( x \)-axis.