

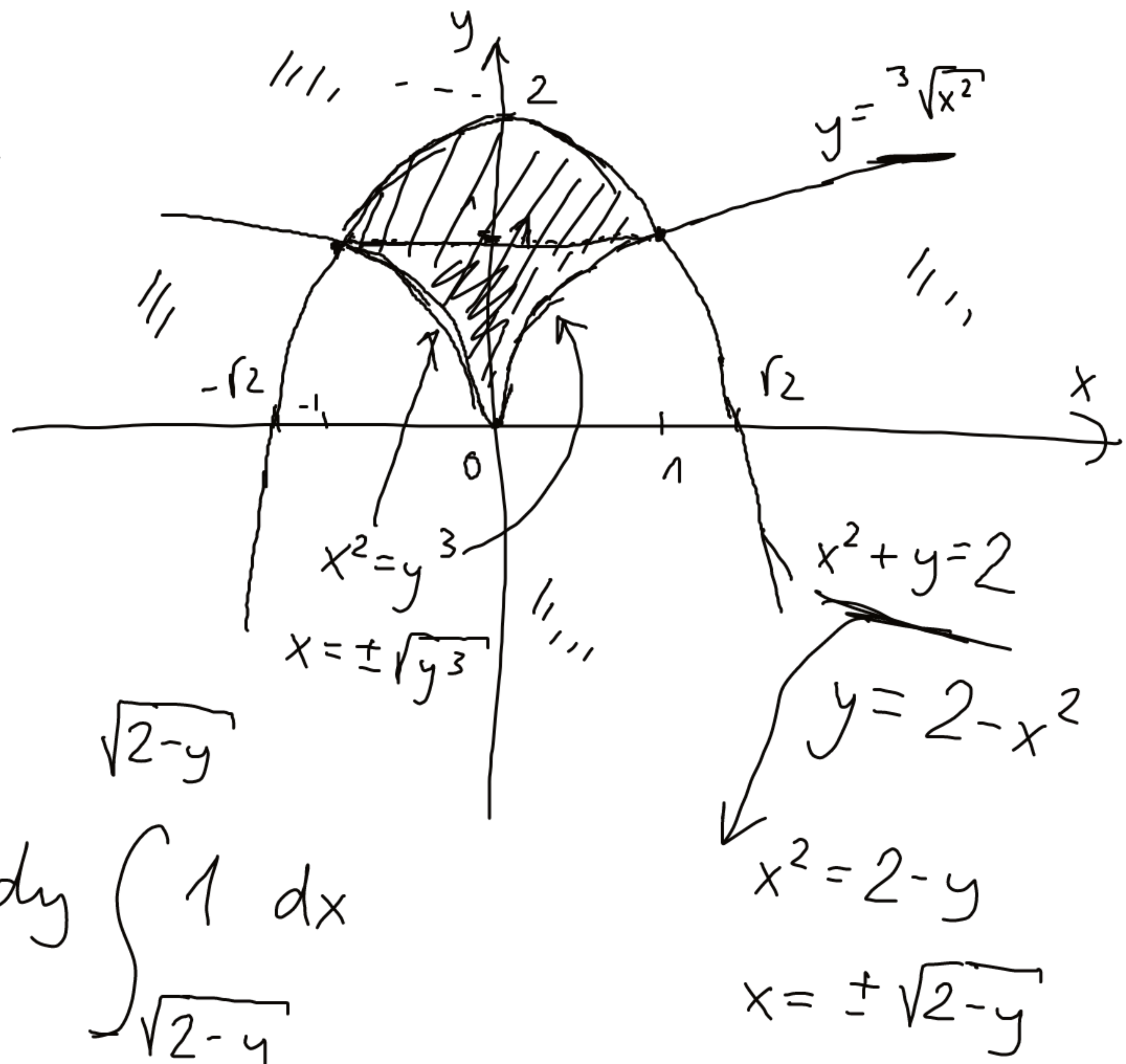
XV a

$$x^2 + y = 2, \quad y^3 = x^2$$

$$y = 2 - x^2 \quad y = (x^2)^{\frac{1}{3}} = \sqrt[3]{x^2}$$

$$P = \int_{-1}^1 dx \left(\int_{\sqrt[3]{x^2}}^{2-x^2} 1 dy \right) =$$

$$= \int_0^1 dy \int_{-\sqrt[3]{y^3}}^{\sqrt[3]{y^3}} 1 dx + \int_1^2 dy \int_{-\sqrt{2-y}}^{\sqrt{2-y}} 1 dx$$



$$x^2 = 2 - y$$

$$x = \pm \sqrt{2 - y}$$