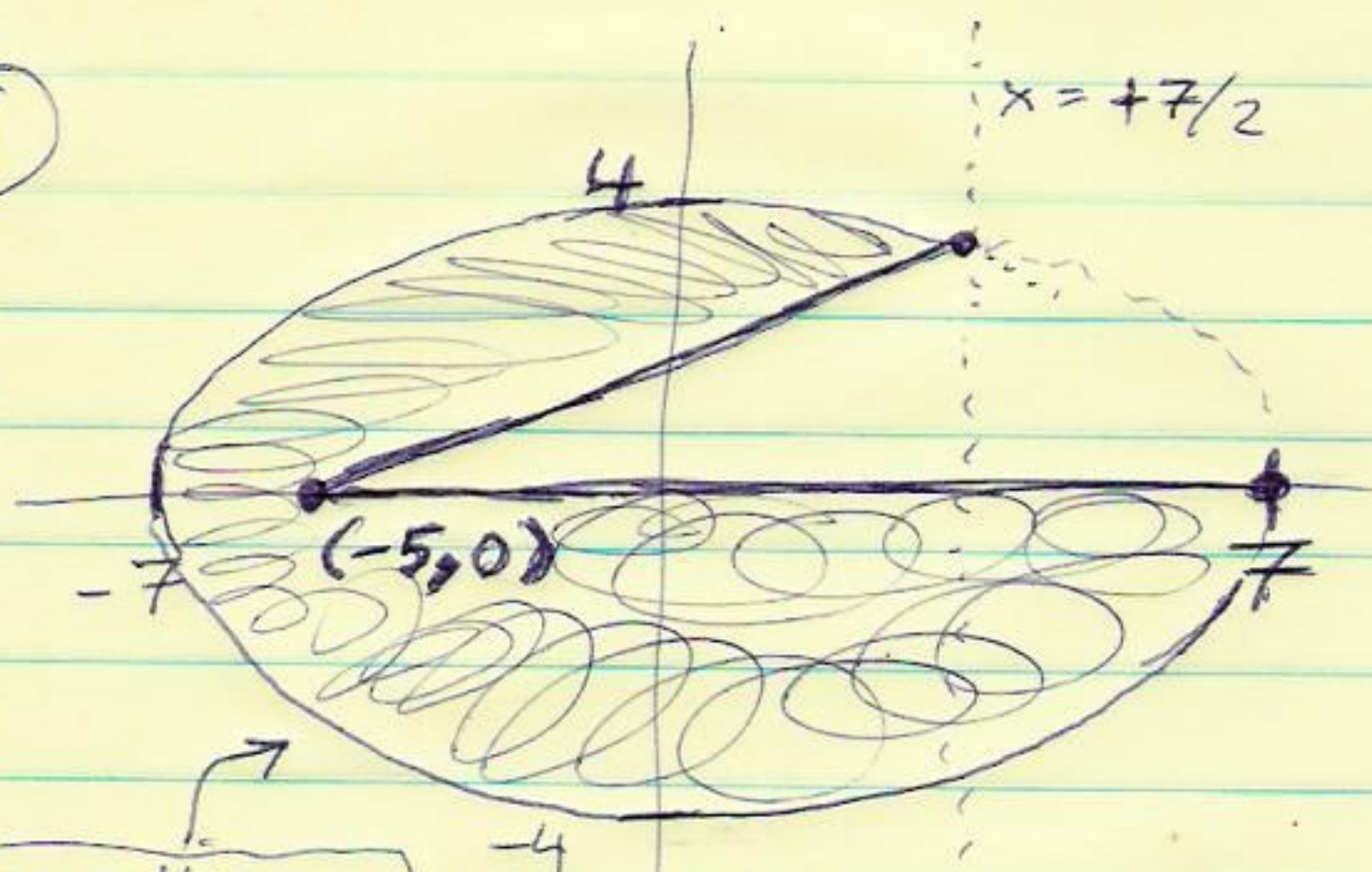


Extra practice problems: area.

For each region below, express the area as an integral or sum of integrals. Evaluate the integrals exactly if you can; otherwise, estimate them with Simpson's Rule or the Trapezoid Rule ($N=10$). In this way compute either exact area or an estimate of the area.

①



$$\frac{x^2}{49} + \frac{y^2}{16} = 1 \quad \text{ellipse centered at } (0,0)$$

②

