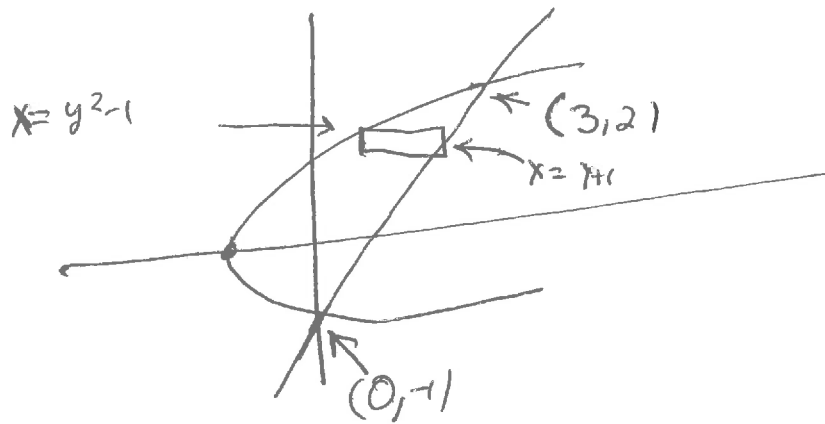


Picture for number 5



The little rectangle has area

$$(\text{big } x - \text{little } x) dy$$

$$= (y + 1) - (y^2 - 1) dy$$