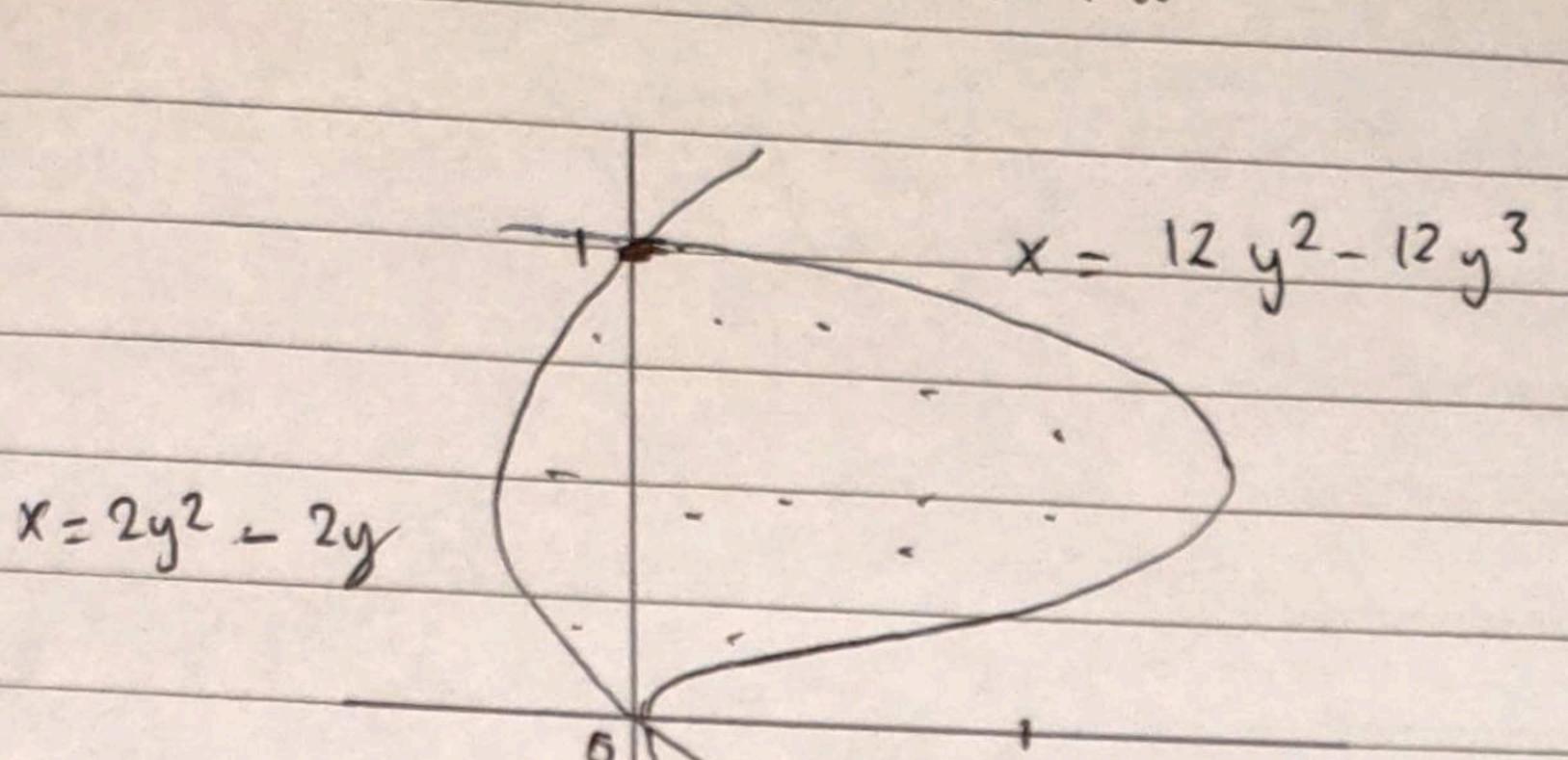
## Tugai 1 KVT

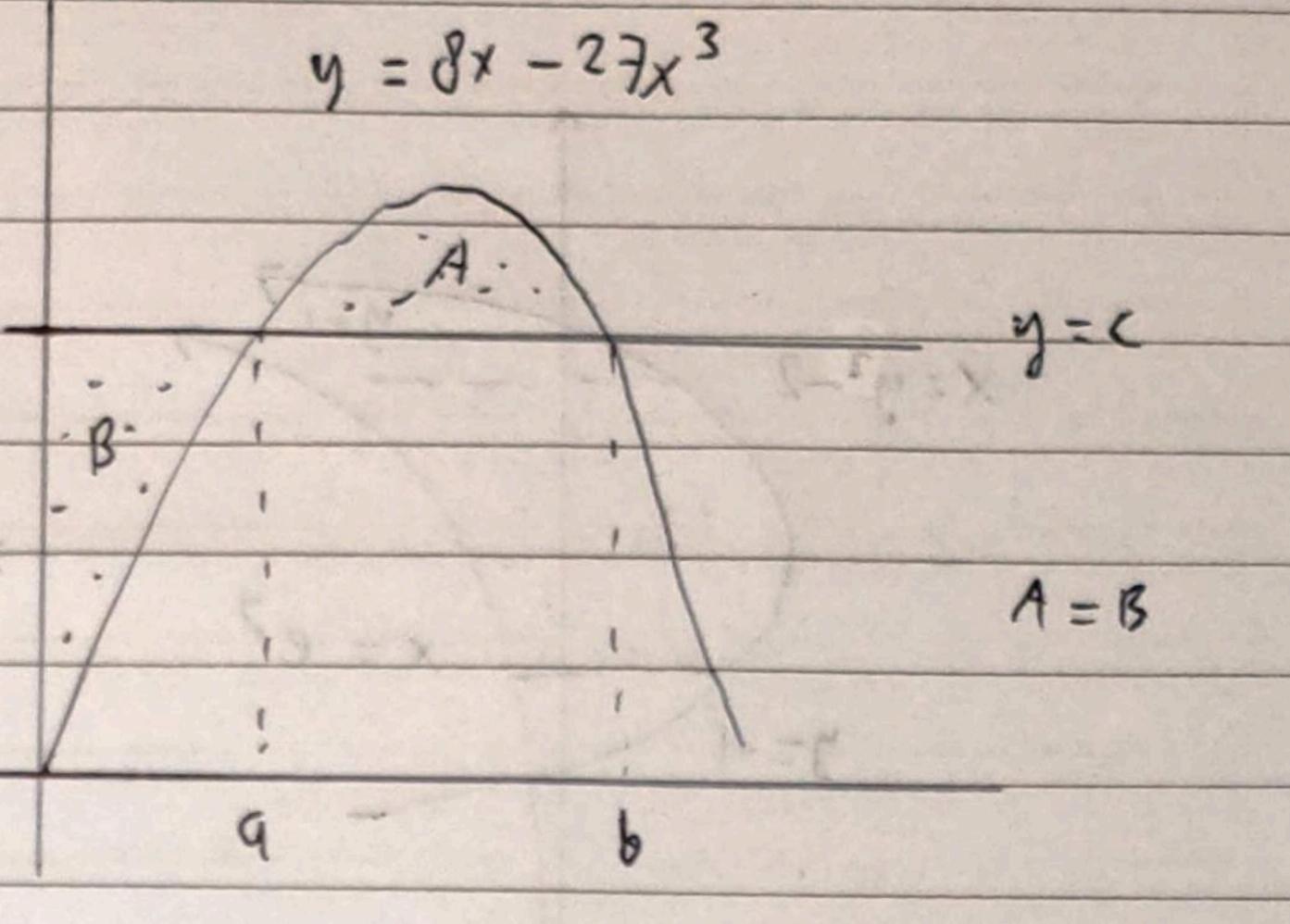
25 September 2021

JUNEOUS COND CENT - MARRIED TO

Tentukan luas dari area herikat



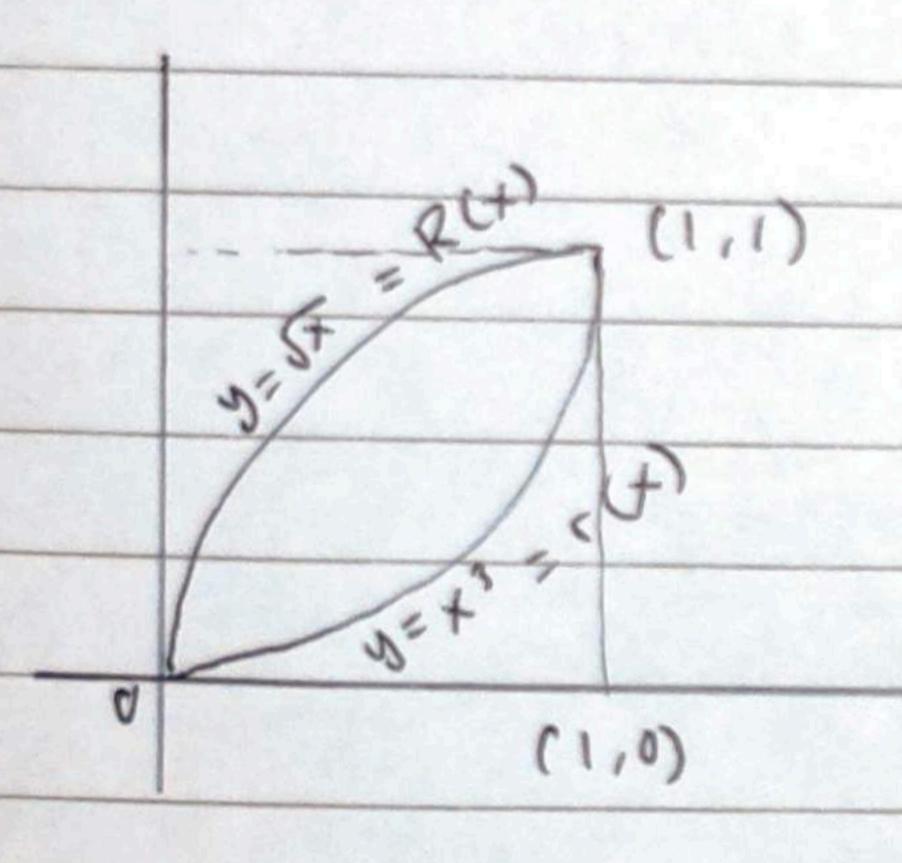
$$y = 8x - 27x^3$$



Luas area = 
$$\int_{0}^{1} 12y^{2} - 12y^{3} - (2y^{2} - 2y) dy$$
  
=  $\int_{0}^{1} 10y^{2} - 12y^{3} + 2y dy$   
=  $\int_{0}^{1} 10y^{2} - 12y^{3} + 2y dy$   
=  $\int_{0}^{1} 10y^{3} - 3y^{4} + y^{2} \int_{0}^{1} 10y^{3} + y^{4} + y^{2} \int_{0}^{1} 10y^{3} - 3y^{4} + y^{2} \int_{0}^{1} 10y^{3} + y^{4} + y^{2} \int_{0}^{1} 10y^{3} + y^{4} + y^{2} \int_{0}^{1} 10y^{3} + y^{4} + y^{2} +$ 

$$\int_{0}^{a} \frac{c - 8x + 27x^{3} dx}{cx - 4x^{2} + 27x^{4}} = \int_{0}^{b} \frac{8x - 27x^{3} - c}{a} dx$$

$$cx - 4x^{2} + 27x^{4} = 4x^{2} - 27x^{4} - (x) = 4x^{2} + 27x^{4} - (x) = 4x^{2} - 27x^{4} - (x) =$$



$$\frac{2}{3}$$
 C =  $8 \times -27 \times^{3}$  poda titik b nilainya sama. ... ii

 $C = 85 - 27 b^{3}$ 

Volume benda: 
$$\int T(R(x)^2 - r(x)^2) dx$$

=  $T\int ((x^2)^2 - (x^3)^2) dx$ 

=  $T\int ((x^2 - 1)^2) dx$ 

$$\frac{b^{2} - b}{81} = \frac{4}{9}$$

$$\frac{6}{9} = \frac{4}{$$

$$C = \frac{32}{27} \approx 1,185$$

