

Dhaka University A Unit

#1

Math MCQ Solve

DU 13-14

$$y = \sqrt{a^2 - x^2}$$

$y = 0$ x -অক্ষ
যুক্ত

ত্রিভুজ ক্ষেত্রে ক্ষেত্রফল কোনটি?

④ $\frac{\pi a^2}{4}$

⑤ $\frac{\pi a^2}{2}$

⑥ πa^2

ঠ

$\frac{a^2}{2}$

$y = \sqrt{a^2 - x^2}$

Ans: $\frac{\pi a^2}{2}$



$$y = -\sqrt{a^2 - x^2}$$

$$\Rightarrow y^2 = a^2 - x^2$$

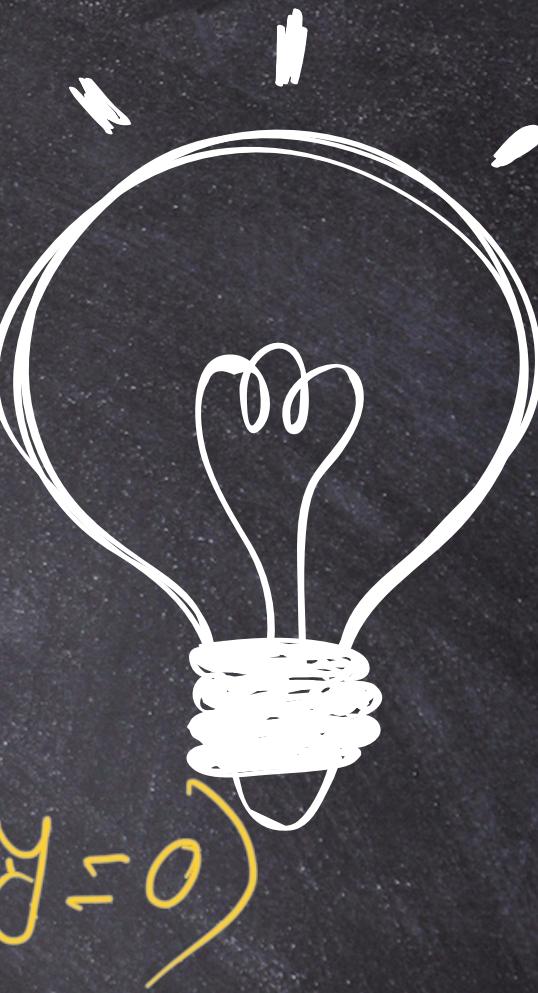
$$\Rightarrow x^2 + y^2 = a^2$$

$$(x-0)^2 + (y-0)^2 = a^2$$

گیری $(0, 0)$ $R = a$

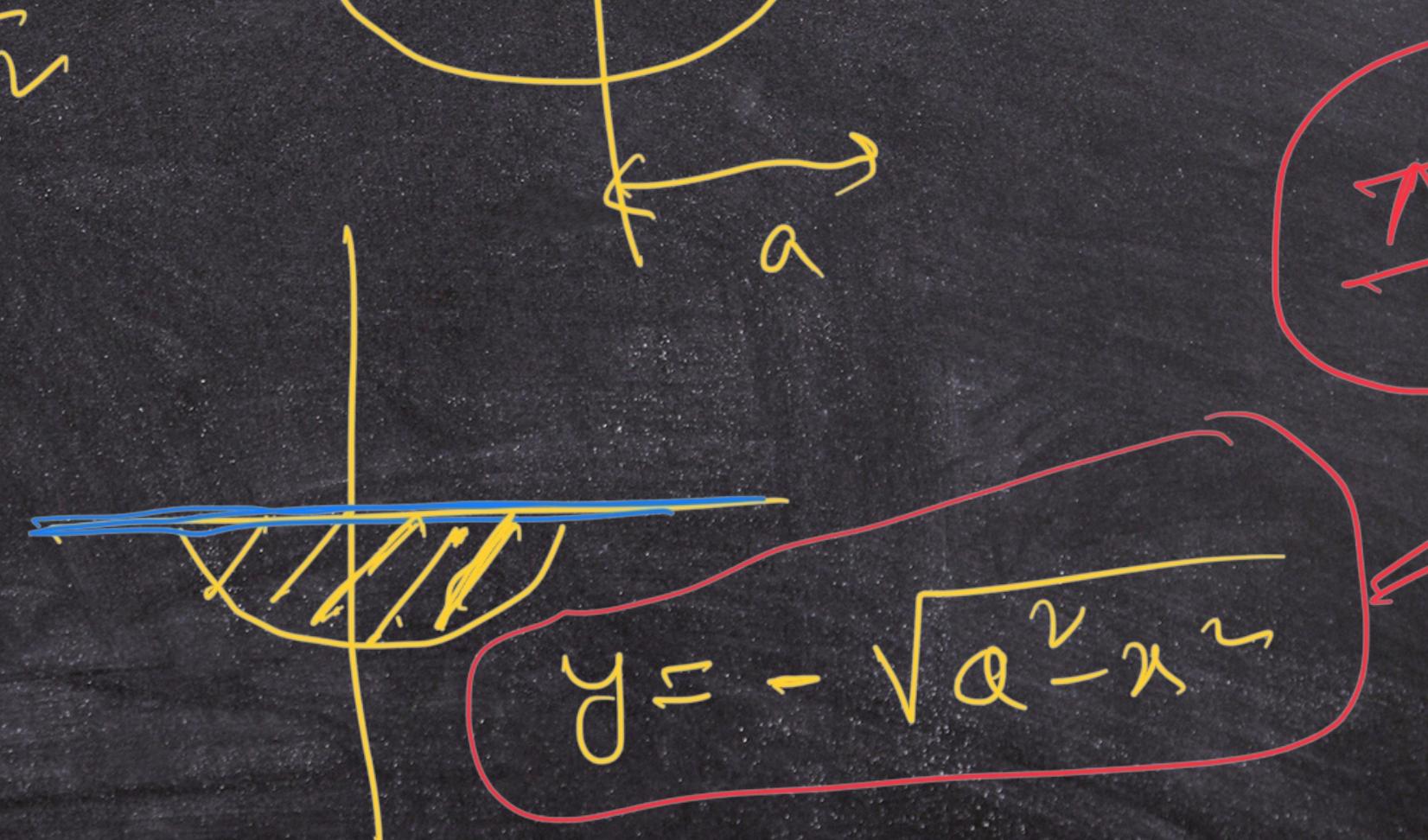
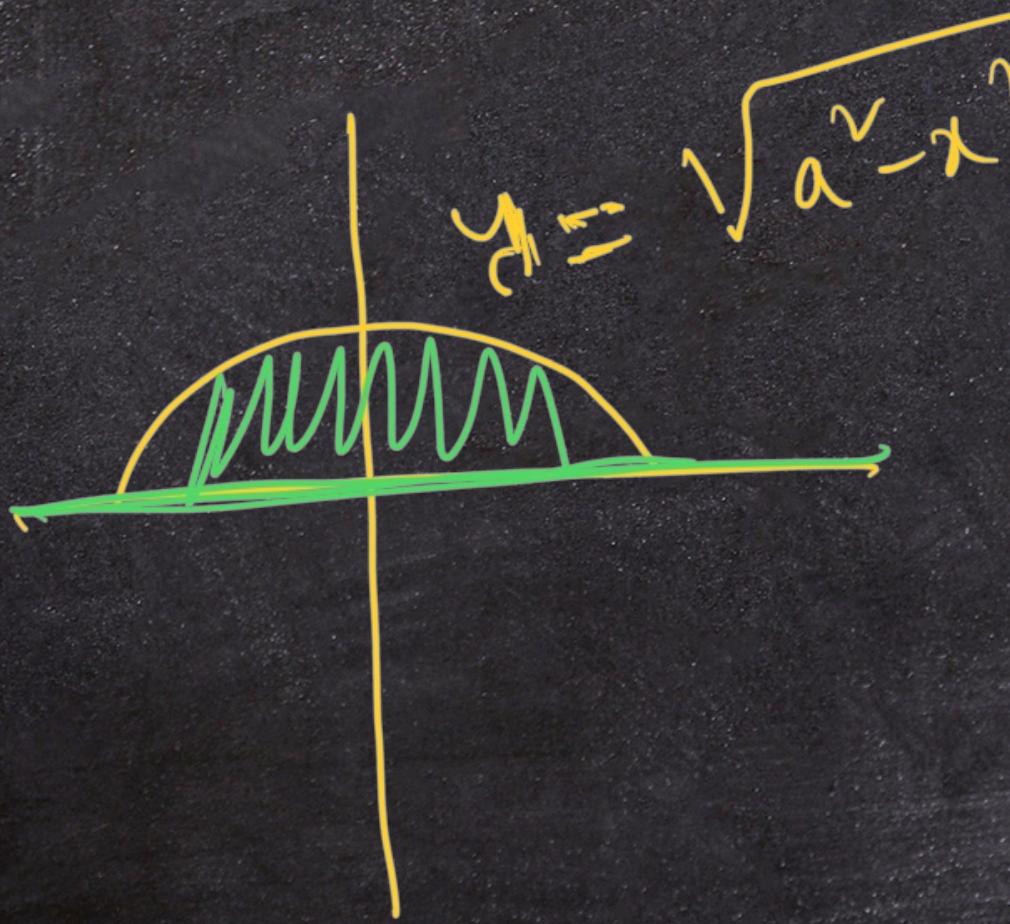
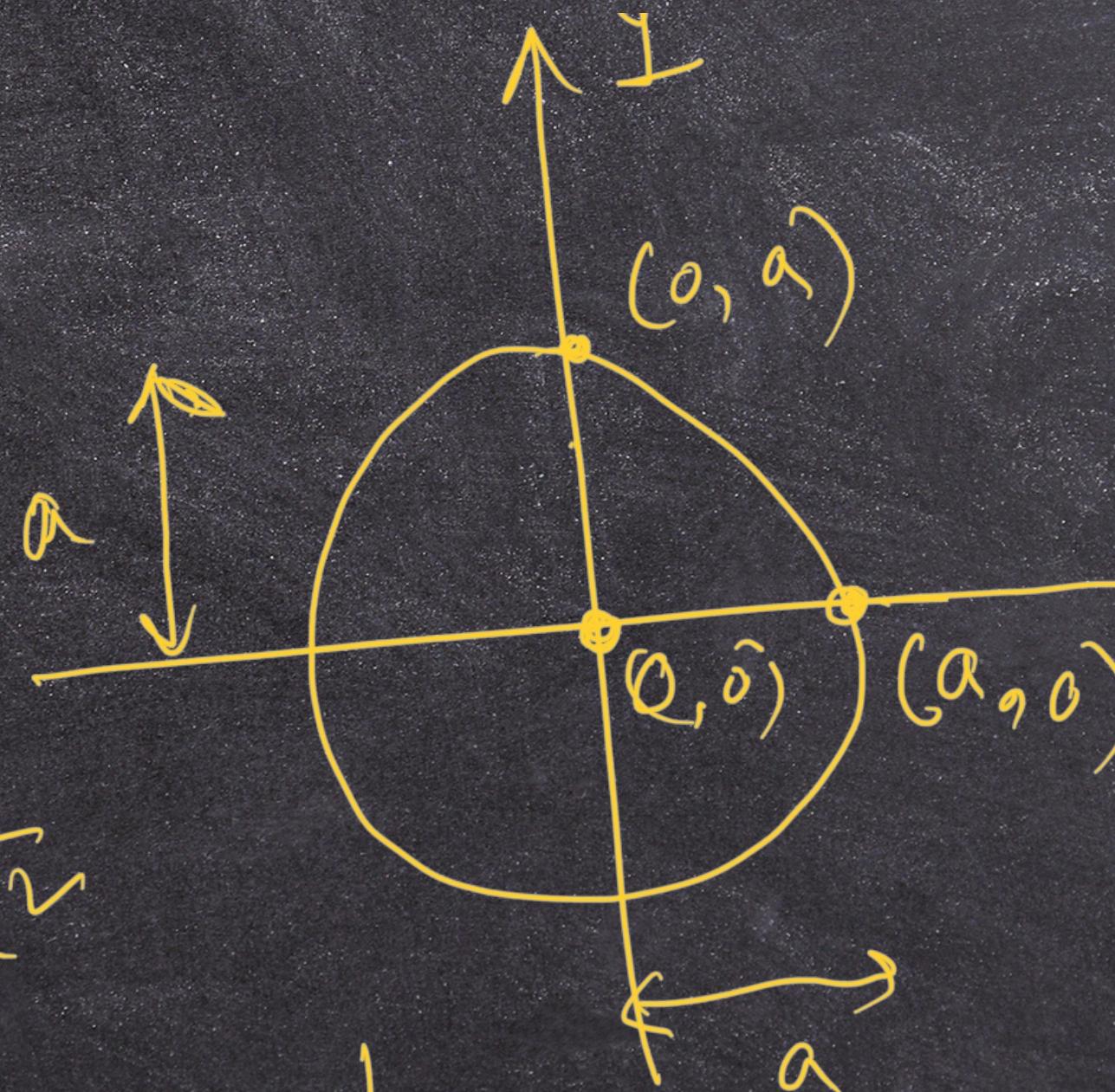
$$(x-a)^2 + (y-b)^2 = \pi^2$$





Ans: πa^2 ~~(X)~~

X ($y=0$)



$$x^2 + y^2 = a^2$$

$$\Rightarrow y^2 = a^2 - x^2$$

$$\therefore y = \pm \sqrt{a^2 - x^2}$$





ABRAR EYASIR