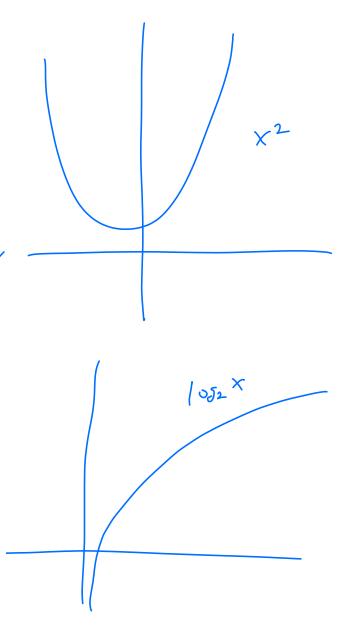


Quiz time!



Which of the following type of functions is not continuous?

79 users have participated			
	A	Quadratic functions	4%
	В	Exponential functions	5%
	С	Logarithm functions	11%
>	D	All of the above are continuous.	80%



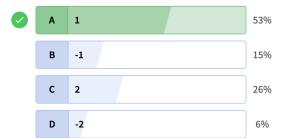
Quiz time!

Quiz Ended!

For which value of **a** is the following function continuous?

$$f(x) = x^2 \text{ if } x \ge a, \text{ and } f(x) = x \text{ if } x < a.$$

72 users have participated



$$f(x) = \begin{cases} x^2, & x > = a \\ x, & x < a \end{cases} \Rightarrow \begin{vmatrix} a = 1 \\ x \end{vmatrix}$$

HW

$$f(x) = \begin{cases} x_1 \times 70 \\ -x_1 \times 60 \end{cases}$$

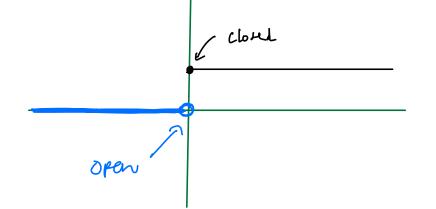
$$|x|$$

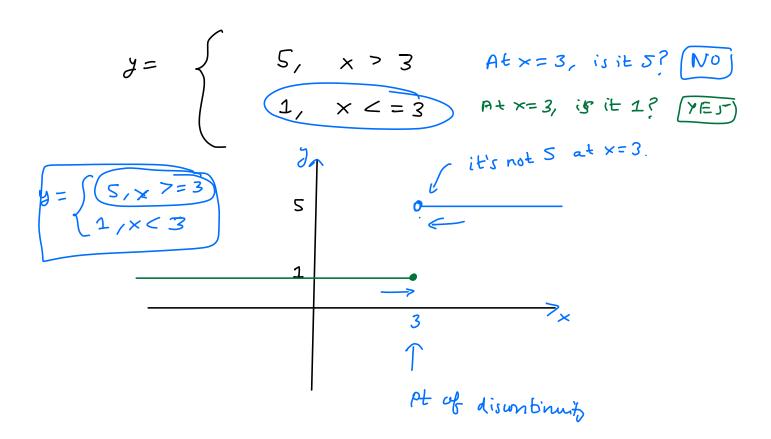
$$|x|$$

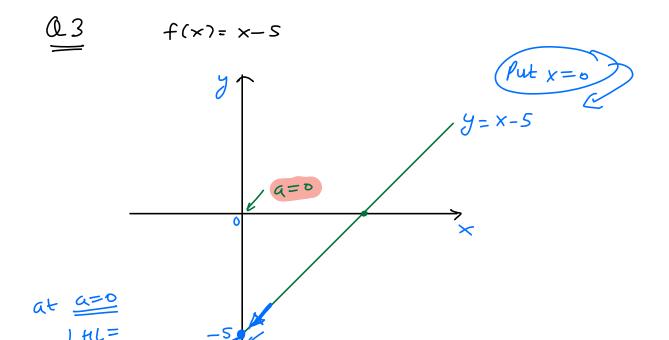
$$|x|$$

$$|x|$$

$$(u(x)) = \begin{cases} 0 & \text{for } x < 0, \\ 1 & \text{for } x > 0 \end{cases}$$







KGHISV

Quiz time!

Quiz Ended!

We want to find the equation of the tangent line to the function $f(x) = x^2$ at a point x = 3. What is one point that the tangent line passes through?

53 users have participated

A (3,3)

B (3,6)

C (3,9)

D (3,12) $m = (3, 3^2) = 3(3, 9)$ m = (3, 9) m = (3,

=> 2(3)=6

$$y-y_1 = m(x-x_1)$$

=> $y-q=6(x-3)$
=> $y-q=6x-18$
=> $y=6x-9$