S

Y varies Inversely with x.

If $x = 21$ when $y = 12$, what is y when $x = 7$?

t

H

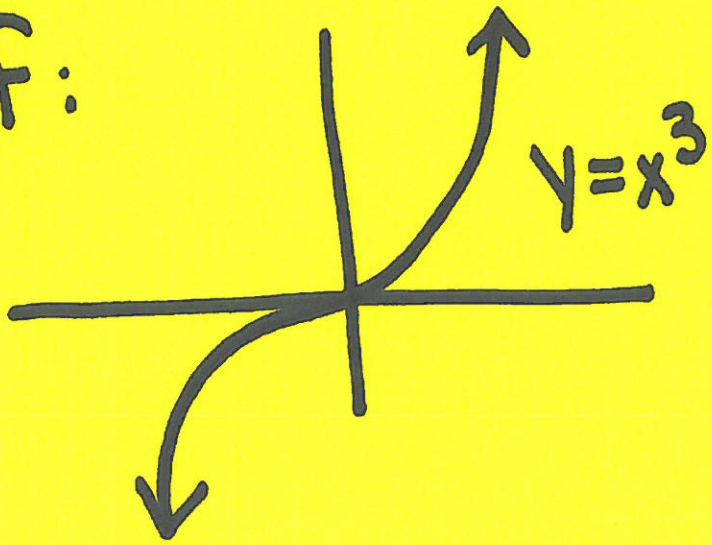
Given $f(x) = \begin{cases} 6x+2 & x \geq 2 \\ 3x-1 & x < 2 \end{cases}$

$f(0) =$ ____ ; $f(2) =$ ____ ; $f(5) =$ ____

5,3

E

What is the DOMAIN of:



0, -2

S

If x varies DIRECTLY with y, and x=6 when y=84, what is x when y=98?

02

A shirt maker has the following prices: Ordering 1-20 shirts, the shirts cost $20 each. After the 20th shirt, additional shirts are $15 each. How much would 30 shirts cost?

m

510

T

Solve:

$$\frac{2x}{x+3} = \frac{x+5}{4 \cdot 2}$$

Left 2

Down 3

A

Solve:

$$x^2 + 6x + 8 = 0$$

All Real
Numbers

S

Solve: $3x^2+3=78$

all real numbers greater than or equal to 0

N

$y = (x-2)^2 - 3$

is the graph of $y = x^2$

shifted _____

$-4, -2$

$\boxed{D}$

$$\frac{x}{6} = \frac{10}{7}$$

$x =$ _____

Right 2

Down 3

I

$$5\sqrt{16} + 3\sqrt[3]{-8} + (-2)^4 =$$

-1, 14, 32

A

Given the following information, find the power function modeling the data:

year		1	2	3	4	5
cost		3		27	48	

৭৫

$\boxed{N}$

$$|-510| = ?$$

4

W

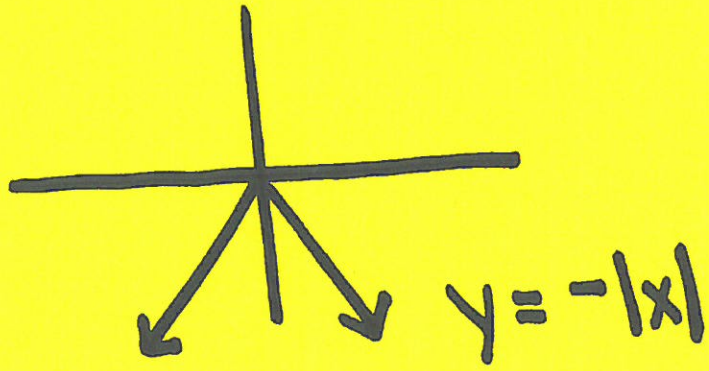
Given $f(x) = 3 \cdot \sqrt[3]{x}$,

what is $f(64)$?

$$y = 3x^2$$

0

What is the RANGE of:



5 or -5

m

What are the excluded values of

$$\frac{4}{x+2} = \frac{2}{x}\ ?$$

All real numbers
less than or equal
to 0

F

$$f(x) = \begin{cases} 2x-3 & x<1 \\ x^2 & 1 \le x < 5 \\ 17 & 5 \le x \end{cases}$$

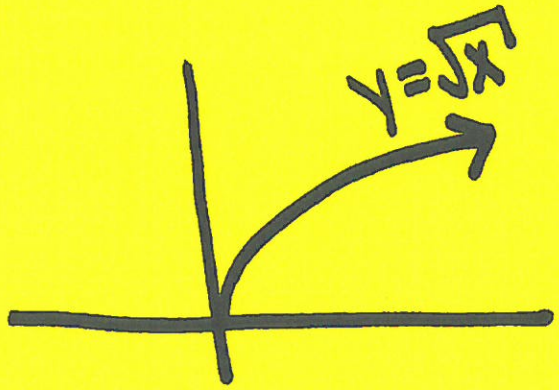
$f(0) =$ _____ $f(3) =$ _____

$f(7) =$ _____

$$\frac{t}{a\sigma}$$

E

What is the Domain of:



-3, 9, 17

A

The graph of $y = |x+2| - 3$

if $y = |x|$ moved _____

550