

S

Y varies Inversely with x.

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

L



[Faint, illegible handwriting in red ink, possibly bleed-through from the reverse side of the page.]

H

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

$$f(0) = \underline{\quad}; \quad f(2) = \underline{\quad}; \quad f(5) = \underline{\quad}$$

5, 3



Handwritten text in red ink, appearing to be a list or notes, located below the horizontal line.

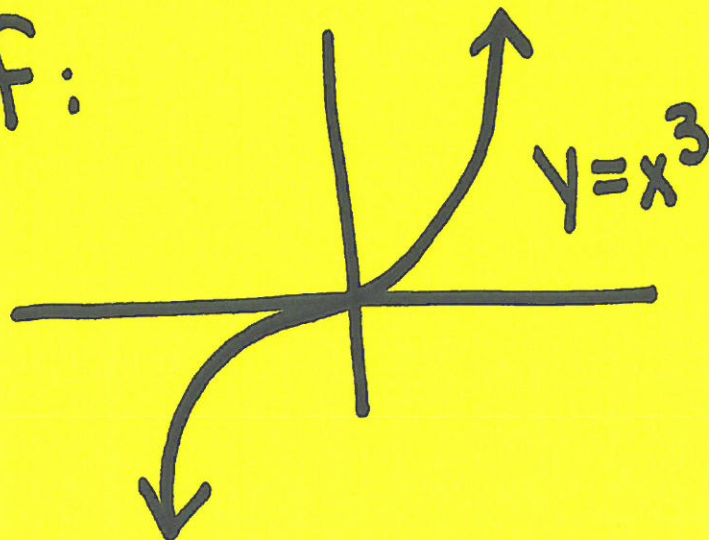
Handwritten text in red ink, appearing to be a list or notes, located below the horizontal line.

Handwritten text in red ink, appearing to be a list or notes, located below the horizontal line.

E

What is the DOMAIN

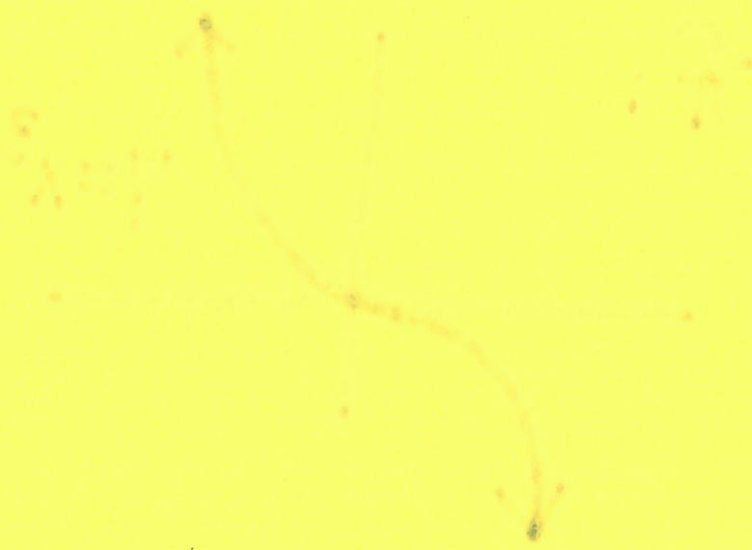
of:



O, -2



Handwritten text in red ink, possibly a title or header, which is mostly illegible due to fading.



S

If x varies DIRECTLY with y ,

and $x=6$ when $y=84$, what

is x when $y=98$?

30



[Faint, illegible handwriting in blue ink, possibly bleed-through from the reverse side of the page.]

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?



510

[Faint, illegible handwriting, possibly bleed-through from the reverse side of the page]

Solve:

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



Down 3

Left 2



A

Solve:

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

Numbers

Hill Real

S

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

all real numbers
greater than or
equal to 0

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

is the graph of $y = x^2$

shifted _____

N

-4, -2



$$\frac{x}{9} = \frac{5}{7}$$

$$x = \underline{\hspace{2cm}}$$



Down 3

Right 2

□ E

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

-1, 14, 32



[Faint, illegible handwritten text]

A

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

year		1	2	3	4	5
cost		3		27	48	

36



adventum novellum est deus

adventum novellum est deus

adventum

adventum novellum est deus

adventum novellum est deus

$$|-510| = 510$$

□

4

W

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

what is $f(64)$?

$$Y = 3x^2$$

Faint, illegible handwriting in red ink, possibly bleed-through from the reverse side of the page.



What is the RANGE

of:

$y = -|x|$

U
R
U

Handwritten text in red ink, possibly a signature or name, located in the lower middle section of the page.

Handwritten text in red ink, possibly a signature or name, located in the lower right section of the page.

m

What are the excluded values of

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

All real numbers
less than or equal
to 0

F

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

$$f(0) = \underline{\hspace{2cm}} \quad f(3) = \underline{\hspace{2cm}}$$

$$f(7) = \underline{\hspace{2cm}}$$

7/10

E

What is the
Domain of:



3, 9, 17

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

if $y = |x|$ moved _____

A

550



[Faint, illegible handwriting in red ink, possibly bleed-through from the reverse side of the page.]