

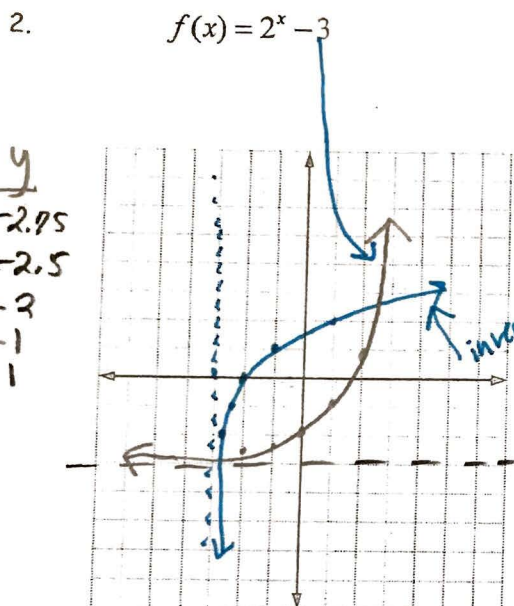
Domain  
Range  
Y intercept  
X intercept  
Asymptote

EXPONENTIAL FUNCTION  
 $\mathbb{R}$   
 $(0, \infty)$   
 $(0, 1)$   
none  
 $y = 0$

INVERSE FUNCTION  
 $(0, \infty)$   
 $\mathbb{R}$   
None  
 $(1, 0)$   
 $x = 0$

inverse

x	y
.25	-2
.5	-1
1	0
2	1
4	2



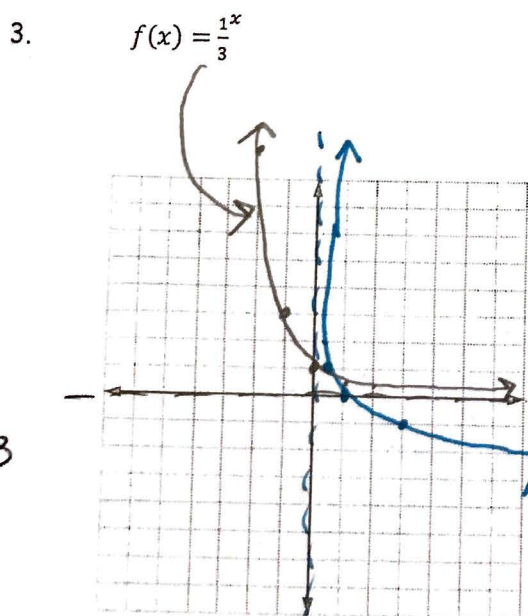
Domain  
Range  
Y intercept  
X intercept  
Asymptote

EXPONENTIAL FUNCTION  
 $\mathbb{R}$   
 $(-3, \infty)$   
 $(0, -2)$   
 $(1.58, 0)$   
 $y = -3$

INVERSE FUNCTION  
 $(-3, \infty)$   
 $\mathbb{R}$   
 $(0, 1.58)$   
 $(-2, 0)$   
 $x = -3$

inverse

x	y
-2.75	-2
-2.5	-1
-2	0
-1	1
1	2



Domain  
Range  
Y intercept  
X intercept  
Asymptote

EXPONENTIAL FUNCTION  
 $\mathbb{R}$   
 $(0, \infty)$   
 $(0, 1)$   
none  
 $y = 0$

INVERSE FUNCTION  
 $(0, \infty)$   
 $\mathbb{R}$   
none  
 $(1, 0)$   
 ~~$x = 0$~~

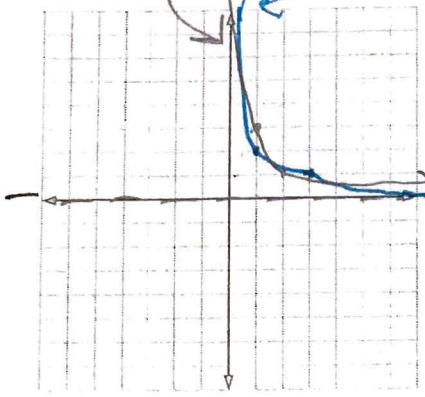
inverse

x	y
9	-2
3	-1
1	0
.33	1
.11	2

4.

$$f(x) = \left(\frac{1}{3}\right)^{x-2}$$

x	y
-2	81
-1	27
0	9
1	3
2	1



Domain  
Range  
Y intercept  
X intercept  
Asymptote

Inverse

x	y
81	-2
27	-1
9	0
3	1
1	2

EXPONENTIAL

FUNCTION

$\mathbb{R}$   
 $(0, \infty)$   
 $(0, 9)$   
none  
 $y=0$

INVERSE

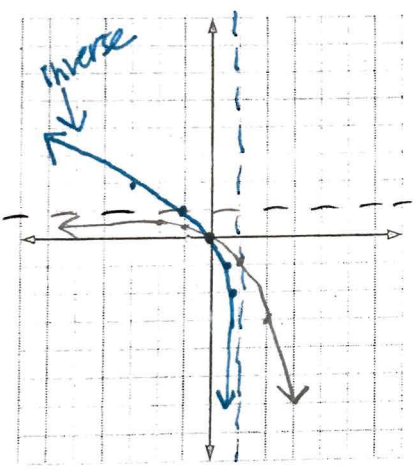
FUNCTION

$(0, \infty)$   
 $\mathbb{R}$   
none  
 $(9, 0)$   
 $x=0$

5.

$$f(x) = -2^x + 1$$

x	y
-2	.75
-1	.5
0	0
1	-1
2	-3



Domain  
Range  
Y intercept  
X intercept  
Asymptote

inverse

x	y
.75	-2
.5	-1
0	0
-1	1
-3	2

EXPONENTIAL

FUNCTION

$\mathbb{R}$   
 $(-\infty, 1)$   
 $(0, 0)$   
 $(0, 0)$   
 $y=1$

INVERSE

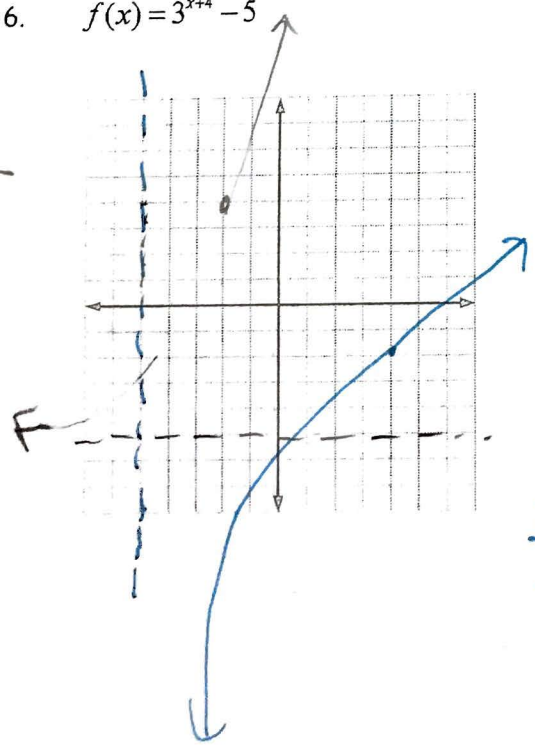
FUNCTION

$(-\infty, 1)$   
 $\mathbb{R}$   
 $(0, 0)$   
 $(0, 0)$   
 $x=1$

6.

$$f(x) = 3^{x+4} - 5$$

x	y
-2	4
-1	22
0	76
1	238
2	



Domain  
Range  
Y intercept  
X intercept  
Asymptote

Inverse

x	y
4	-3
22	-1
76	0
238	1

EXPONENTIAL

FUNCTION

$\mathbb{R}$   
 $(-5, \infty)$   
 $(0, 76)$   
 $(-2.53, 0)$   
 $y=-5$

INVERSE

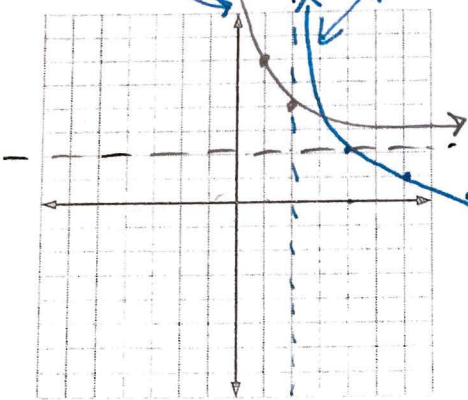
FUNCTION

$(-5, \infty)$   
 $\mathbb{R}$   
 $(0, -2.53)$   
 $(76, 0)$   
 $x=-5$

7.

$$f(x) = \left(\frac{1}{2}\right)^{x-3} + 2$$

x	y
-2	34
-1	18
0	10
1	6
2	4



- Domain
- Range
- Y intercept
- X intercept
- Asymptote

inverse

x	y
34	-2
18	-1
10	0
6	1
4	2

EXPONENTIAL FUNCTION

- $\mathbb{R}$
- $(2, \infty)$
- $(6, 10)$
- none
- none
- $y=2$

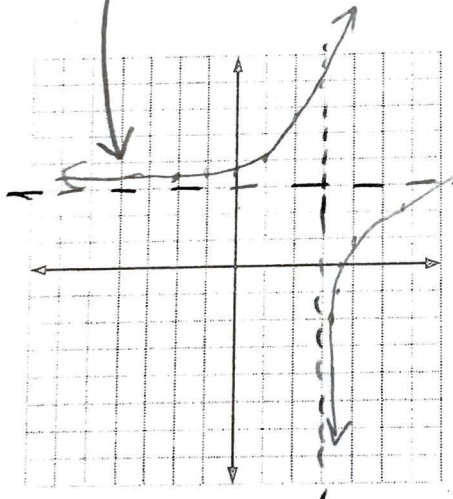
INVERSE FUNCTION

- $(2, \infty)$
- $\mathbb{R}$
- none
- $(10, 0)$
- $x=2$

8.

$$f(x) = e^{x-1} + 3$$

x	y
-2	3.05
-1	3.13
0	3.36
1	4
2	5.71



- Domain
- Range
- Y intercept
- X intercept
- Asymptote

inverse

x	y
3.05	-2
3.13	-1
3.36	0
4	1
5.71	2

EXPONENTIAL FUNCTION

- $\mathbb{R}$
- $(3, \infty)$
- $(0, 3.36)$
- none
- none
- $y=3$

INVERSE FUNCTION

- $(3, \infty)$
- $\mathbb{R}$
- none
- $(3.36, 0)$
- $x=3$