

Algebra 2 Page 456 (36-43, 71, 72)

36

x	y
$\frac{1}{4}$	-2
$\frac{1}{2}$	-1
1	0
2	1
4	2

Domain: $x > 0$

Range: \mathbb{R}

VAL: $x = 0$

37

x	y
-2	$-\frac{1}{4}$
-1	$-\frac{1}{2}$
0	-1
1	2
2	4

Domain: \mathbb{R}

Range: $y > 0$

HAL: $y = 0$

38

x	y
4	-2
2	-1
1	0
$\frac{1}{2}$	1
$\frac{1}{4}$	2

Domain: $x > 0$

Range: \mathbb{R}

VAL: $x = 0$

39

x	y
-2	4
-1	2
0	1
$\frac{1}{2}$	$\frac{1}{2}$
2	$\frac{1}{4}$

Domain: \mathbb{R}

Range: $y > 0$

HAL: $y = 0$

④⑩ up 1

④⑪ Right 2

④⑫ Right 5
up 3

④⑬ Left 2
Down 1

71

x	y
$-\frac{47}{32}$	-2
$-\frac{11}{8}$	-1
$-\frac{1}{4}$	0
$\frac{1}{3}$	2

Domain: $x > -\frac{1}{3}$

Range: \mathbb{R}

VAL: $x = -\frac{1}{3}$

72

x	y
$-\frac{44}{9}$	-2
$-\frac{14}{3}$	-1
-4	0
-2	1
4	2

Domain: $x > -5$

Range: \mathbb{R}

VAL: $x = -5$