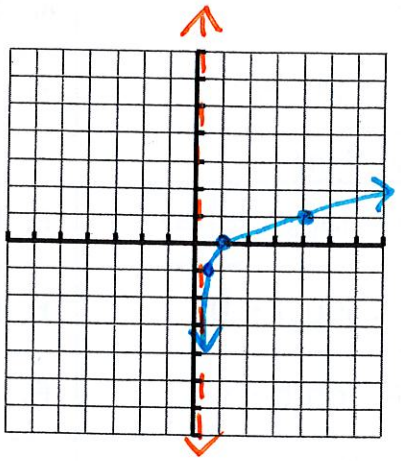
$f(x) = \log_4 x$

x	y
0.25	-1
1	0
4	1
16	2

Inverse → $x = \log_4 y$

$4^x = y$

x	y
-1	0.25
0	1
1	4
2	16



Domain $(0, \infty)$

Range $(-\infty, \infty)$

Asymptote $x = 0$

Equation of the inverse $y = 4^x$

EB: L As $x \to 0$, $f(x) \to -\infty$

R As $x \to \infty$, $f(x) \to \infty$

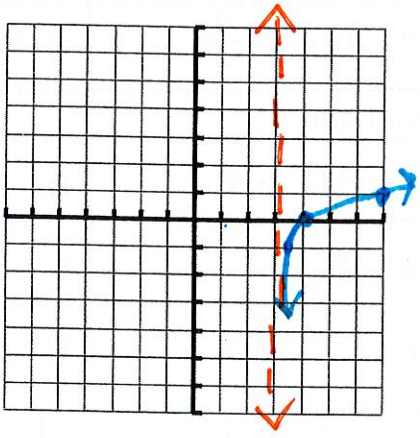
$f(x) = \log_4(x - 3)$

x	y
3.25	-1
4	0
7	1

Inverse → $x = \log_4(y - 3)$

$4^x = y - 3$ $y = 4^x + 3$

x	y
-1	3.25
0	4
1	7



Domain $(3, \infty)$

Range $(-\infty, \infty)$

Asymptote $x = 3$

Equation of the inverse $y = 4^x + 3$

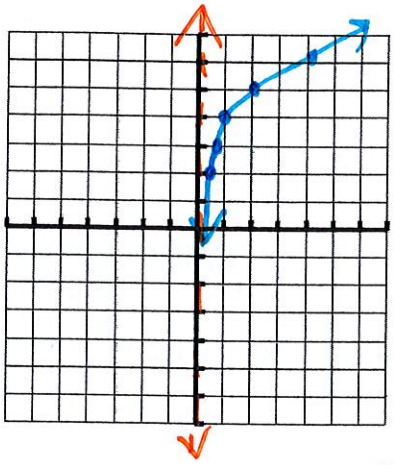
EB: As $x \to +3$, $f(x) \to -\infty$

As $x \to \infty$, $f(x) \to \infty$

8

$f(x) = \log_2 x + 4$

x	y
0.25	2
0.5	3
1	4
2	5
4	6



Domain $(0, \infty)$

Range $(-\infty, \infty)$

Asymptote $x = 0$

Equation of the inverse $y = 2^{x-4}$

Inverse: $x = \log_2 y + 4$

$x - 4 = \log_2 y$

$2^{x-4} = y$

x	y
1	0.125
2	0.25
3	0.5
4	1
5	2
6	4

EB: D → As $x \to 0$, $f(x) \to -\infty$

R → As $x \to \infty$, $f(x) \to \infty$