

$$y = \log_b(x)$$

x	y
$\frac{1}{b^2}$	-2
$\frac{1}{b}$	-1
1	0
b	1
b^2	2

$x=0$ Asym

$$y = \log_2(x)$$

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

$x=0$ Asym

$$y = \log_{10}(x) = \log(x)$$

x	y
$\frac{1}{100}$	-2
$\frac{1}{10}$	-1
1	0
10	1
100	2

$x=0$ Asym

$$y = \log_e(x) = \ln(x)$$

x	y
$\approx \frac{1}{7.4}$	-2
$\approx \frac{1}{2.7}$	-1
≈ 1	0
≈ 2.7	1
≈ 7.4	2

$x=0$ Asym

$$y = \log_{\frac{1}{2}}(x)$$

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

$x=0$ Asym

$$y = \log_{\frac{1}{3}}(x)$$

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

$x=0$ Asym

$$y = \log_{\frac{3}{4}}(x)$$

x	y
$\frac{16}{9}$	-2
$\frac{4}{3}$	-1
1	0
$\frac{3}{4}$	1
$\frac{9}{16}$	2

$x=0$ Asym

$$y = a \cdot \log_b(x+n) + m$$

$$-n \left[\frac{x}{y} \right] \cdot a + m$$

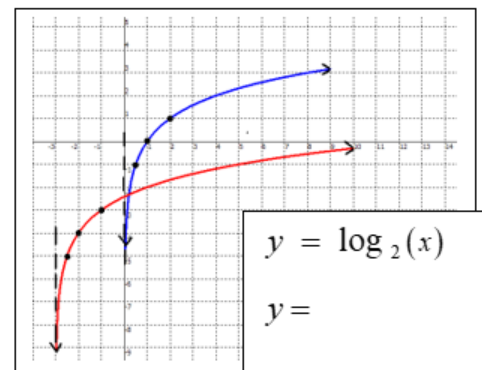
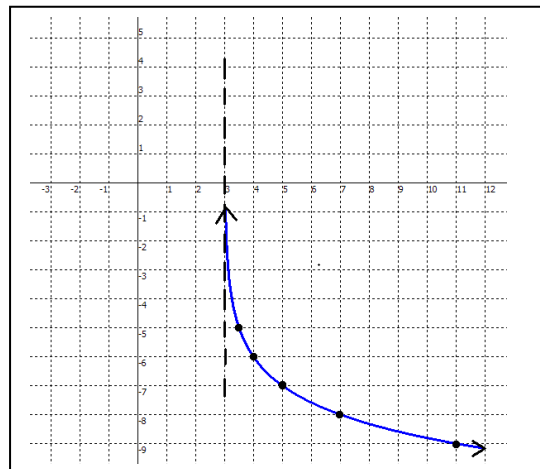
x	y
$\frac{1}{b^2}$	-2
$\frac{1}{b}$	-1
1	0
b	1
b^2	2

$x=0$ Asymptote

$$y = \log_{\frac{1}{2}}(x-3) - 6$$

x	y
7	-6
5	-7
4	-8
$3\frac{1}{2}$	-5
$3\frac{1}{4}$	-4

$x=3 \leftarrow x=0$ Asymptote



$$y = \log_2(x)$$

$$y =$$