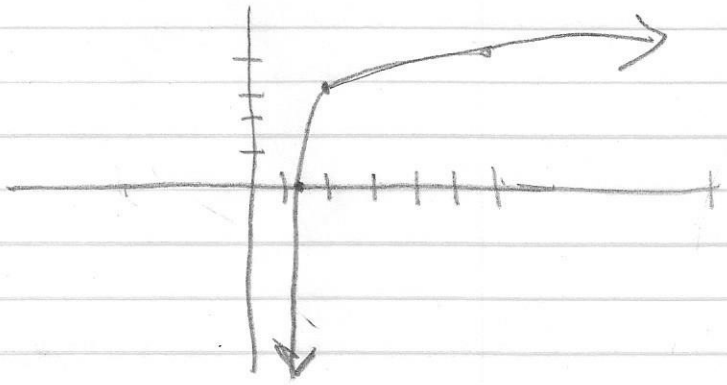
$5^{-1} = x - 1$

$0.2 = x - 1$

$+1 \quad +1$

$1.2 = x$



vertical asymp $x = 1$

$R: (-\infty, \infty)$ $D = (1, \infty)$

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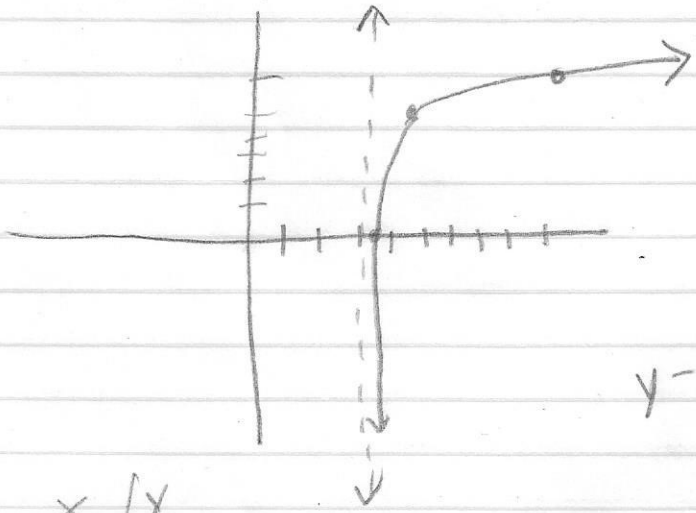
(3) $y = \log_6 (x-3) - 5$

$x - 3 > 0$

$x > 3$



$D: (3, \infty)$

Asym: $x = 3$

$R: (-\infty, \infty)$

$y - 5 = \log_6 (x-3)$

$6^{y-5} = x - 3$

x	y
3.2	4
4	5
9	6

$1 = x - 3$

$+3 \quad +3$

$4 = x$

$6 = x - 3$

$+3 \quad +3$

$\frac{1}{6} = x - 3$