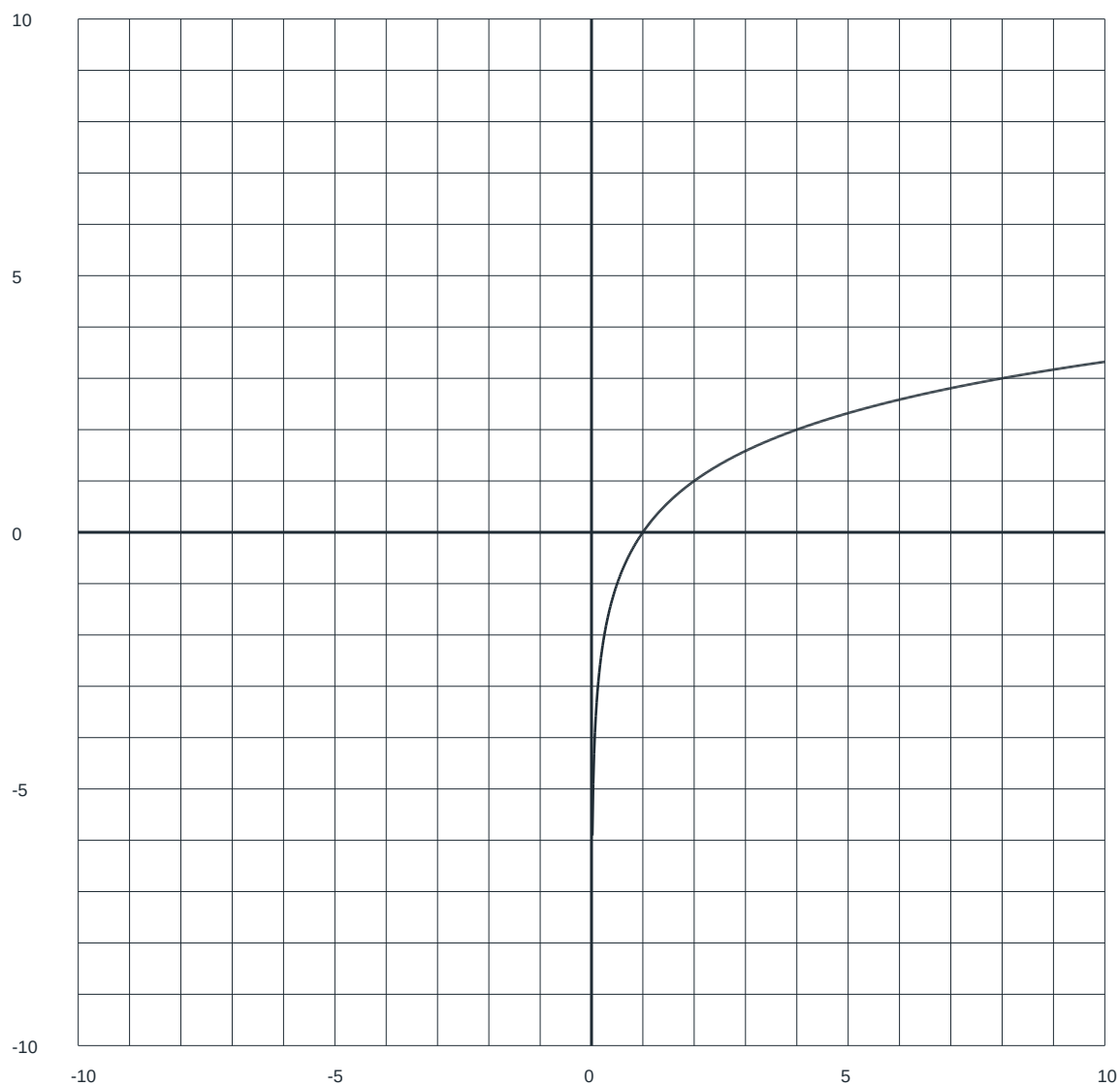


Practice edition

Reference sheet - customise the values on zumola.com

Exercise 1: $y = \log_2(x - 0)$
 $y = \log_2(x - 0)$



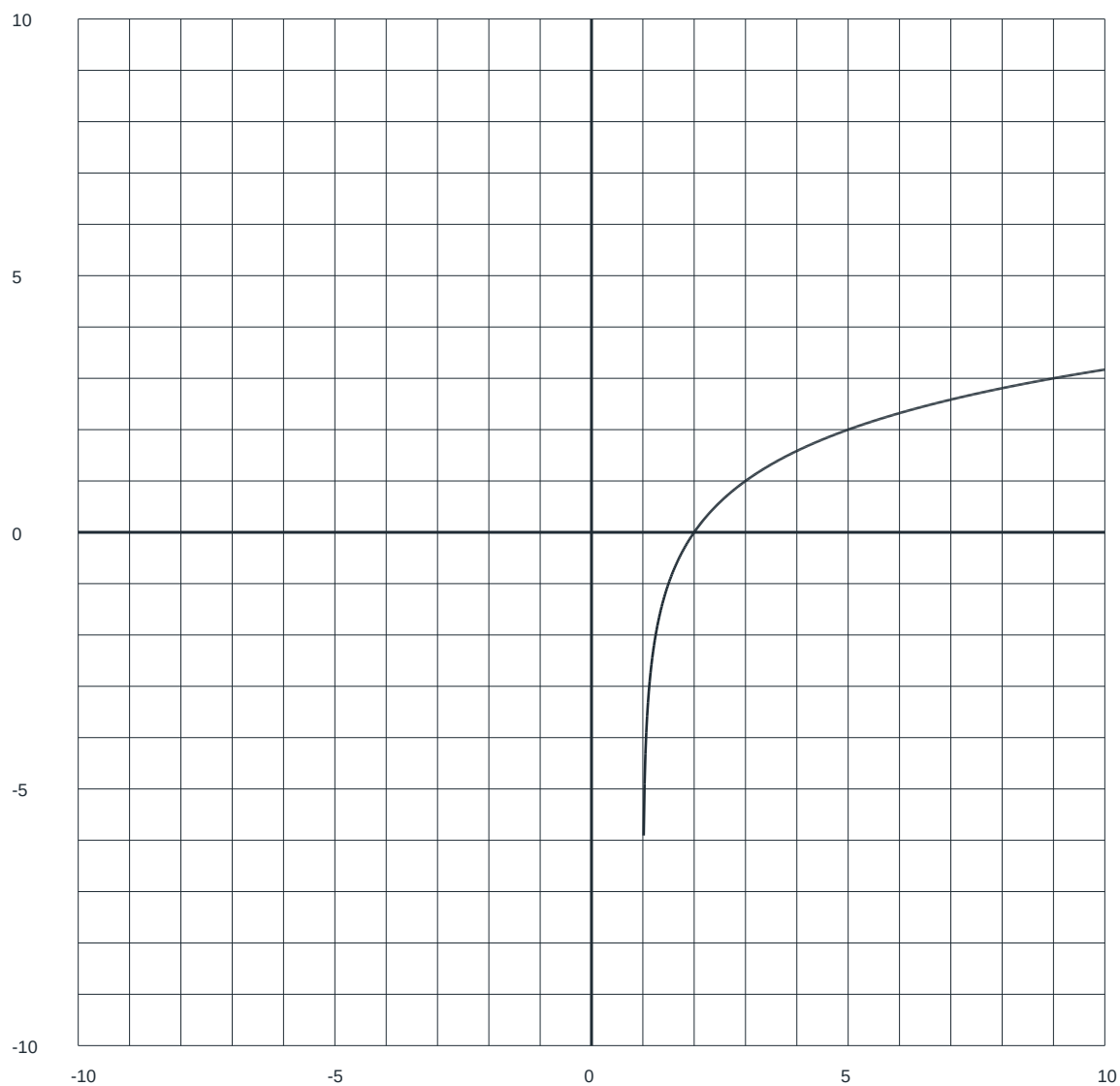
Domain: $x > 0$

Vertical asymptote $x=0$; x-intercept 1. A shift does not change the base.

Practice edition

Reference sheet - customise the values on zumola.com

Exercise 2: $y = \log_2(x - 1)$
 $y = \log_2(x - 1)$



Domain: $x > 1$

Vertical asymptote $x=1$; x-intercept 2. A shift does not change the base.

Practice edition

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Exercise 3: $y = \log_2(x - 2)$
 $y = \log_2(x - 2)$



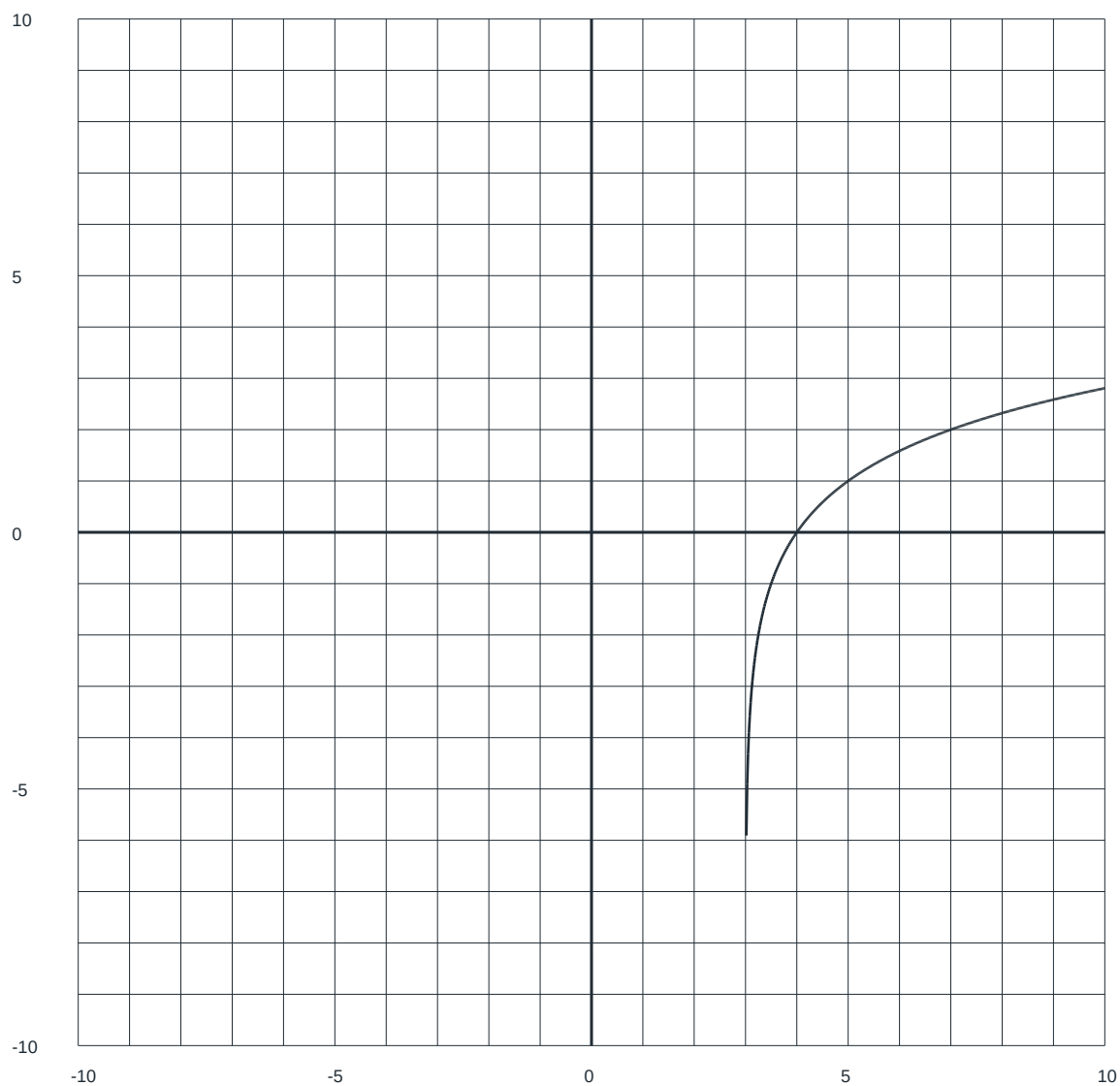
Domain: $x > 2$

Vertical asymptote $x=2$; x-intercept 3. A shift does not change the base.

Practice edition

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Exercise 4: $y = \log_2(x - 3)$
 $y = \log_2(x - 3)$



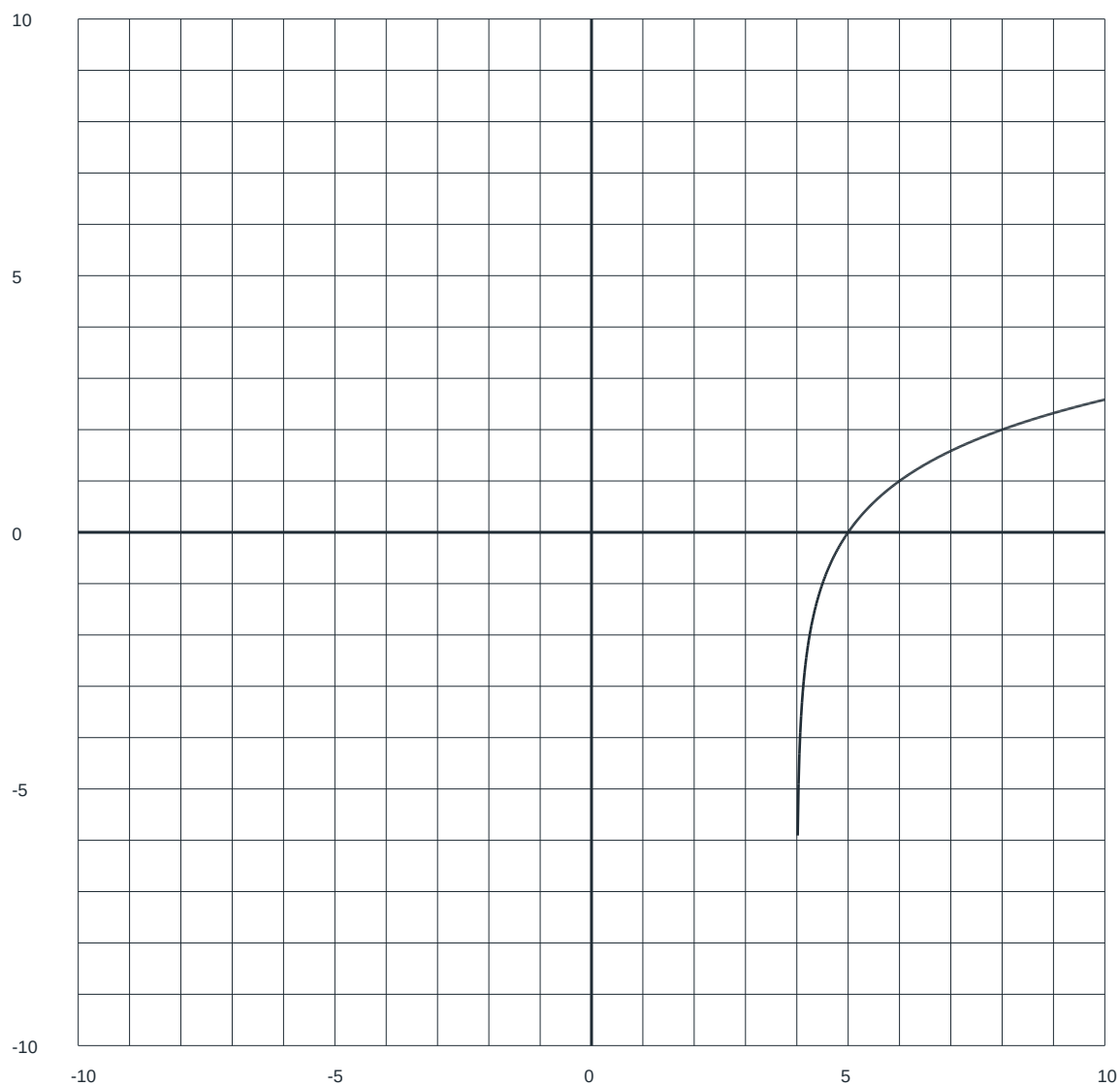
Domain: $x > 3$

Vertical asymptote $x=3$; x-intercept 4. A shift does not change the base.

Practice edition

Reference sheet - customise the values on zumola.com

Exercise 5: $y = \log_2(x - 4)$
 $y = \log_2(x - 4)$



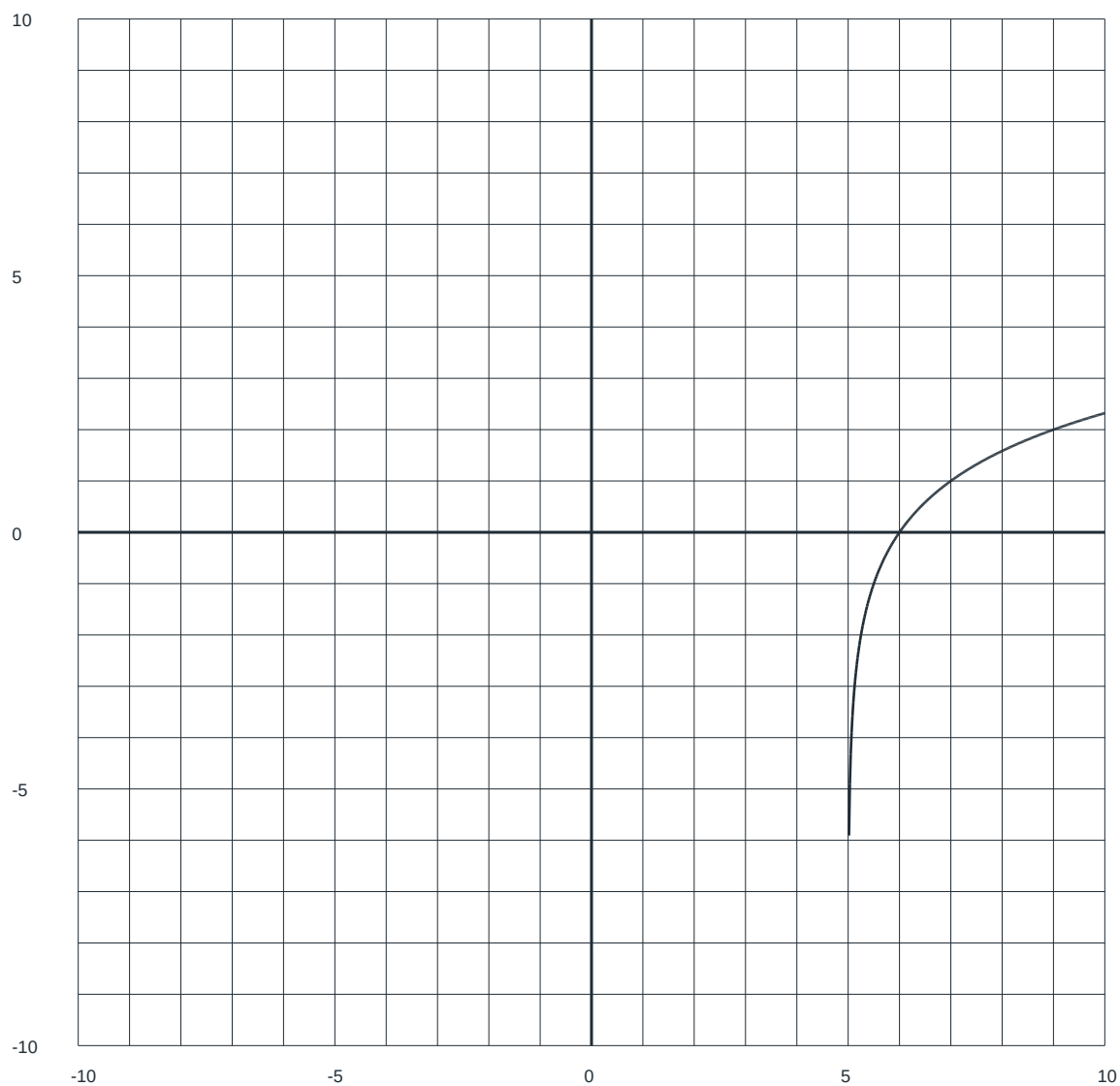
Domain: $x > 4$

Vertical asymptote $x=4$; x-intercept 5. A shift does not change the base.

Practice edition

Reference sheet - customise the values on zumola.com

Exercise 6: $y = \log_2(x - 5)$
 $y = \log_2(x - 5)$



Domain: $x > 5$

Vertical asymptote $x=5$; x-intercept 6. A shift does not change the base.