

College Algebra Worksheet (4)

Graphing Logarithmic Functions

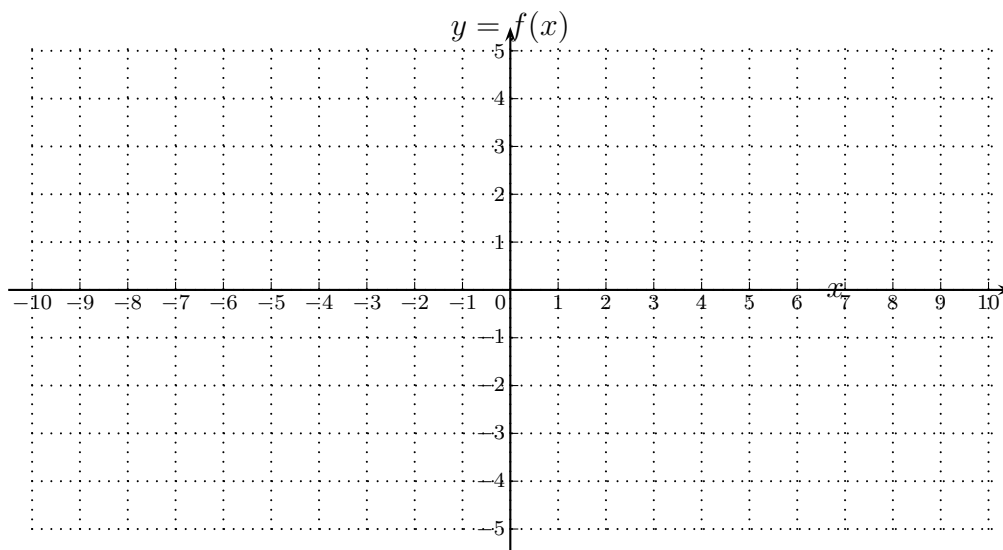
1. Let $f(x) = 1 - 2\log_2(x - 1)$

(a) What are the domain and range of f ?

(b) Find any vertical or horizontal asymptotes.

(d) Find the x and the y intercepts if possible.

(e) Plot the intercepts and any asymptotes and graph f .



2. Let $f(x) = \log_3(4 - 2x)$

(a) What are the domain and range of f ?

(b) Find any vertical or horizontal asymptotes.

(d) Find the x and the y intercepts.

(e) Plot the intercepts and any asymptotes and graph f .

