QUESTIONS

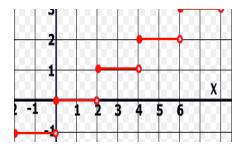
Ex 1: What is the range of the following function?

$$f(x) = \frac{1}{3} \left[\frac{51}{7} (x - 12) \right] + 7$$

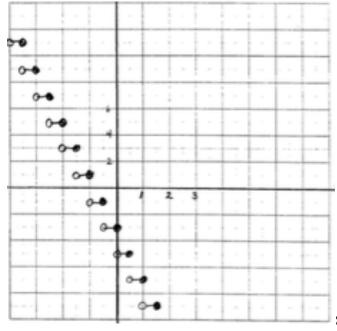
Ex 2: Graph the following function:

$$f(x) = 4[(4x+9)/6] - 1$$

Ex 3: Determine the rule of the function:



Ex 4: Find the rule of the following function:



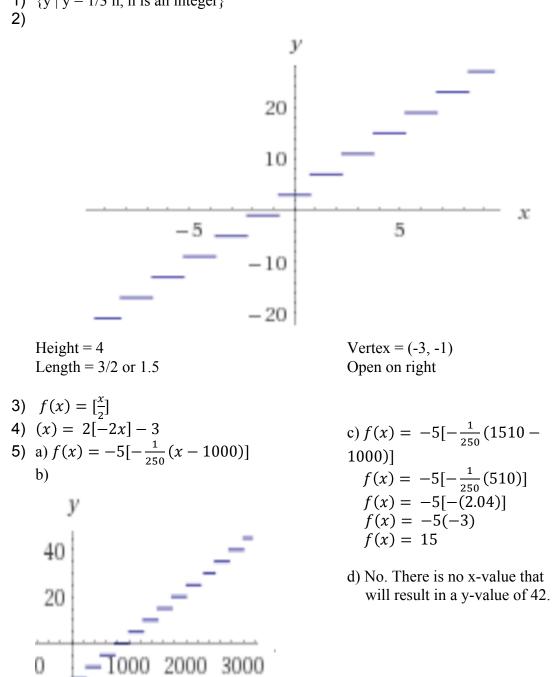
Scale on x-axis: each square = 1, on y-axis: 2

Ex 5: Mr. Pemberton's cell phone plan includes 1 GB (1000MB) for free, and then charges \$5 for each additional 250MB.

- a) Find the rule of the greatest integer function that represents cost with respect to data usage.
- b) Graph the function (use a relevant scale)
- c) How much will it cost Mr.P if he uses 1510 MB?
- d) If he gets a bill for \$42, should he pay it?

ANSWERS

Open on left.



1) $\{y \mid y = 1/3 \text{ n, n is an integer}\}$