

Name: _____

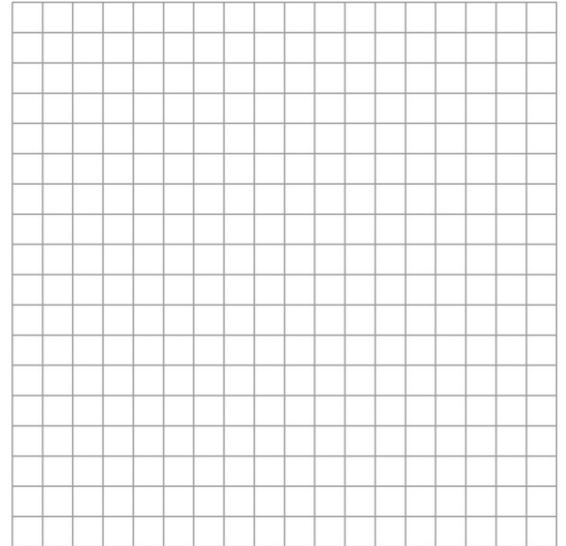
Graphing Rational Functions to Find its Domain and Range

Graph the function and then find the domain and range.

① $y = \frac{1}{x+5} - 2$

Domain : _____

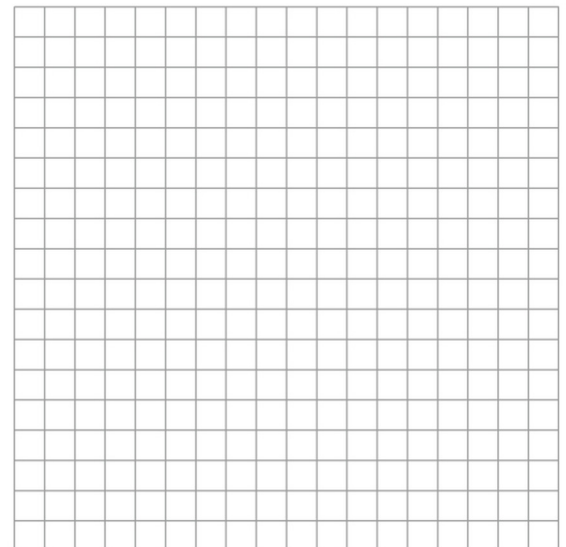
Range : _____



② $y = \frac{3}{x} + 5$

Domain : _____

Range : _____



Identify the domain and range of each function.

① $f(x) = -\frac{3}{x}$

Domain : _____

Range : _____

② $f(x) = \frac{4}{x-1} + 1$

Domain : _____

Range : _____

Name: _____

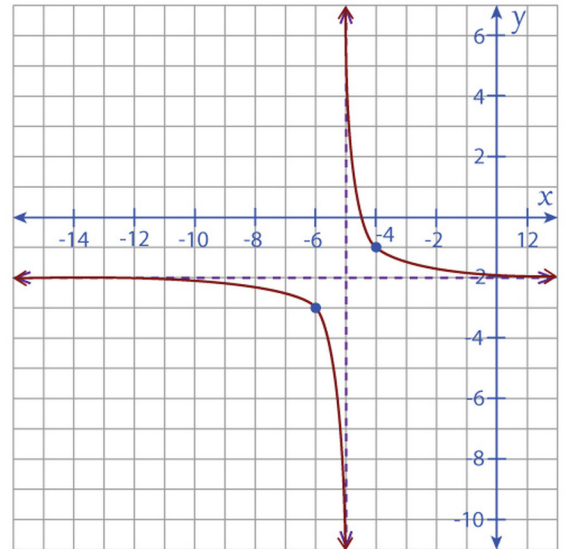
Graphing Rational Functions to Find its Domain and Range

Answers

① $y = \frac{1}{x+5} - 2$

Domain : all reals, $x \neq -5$

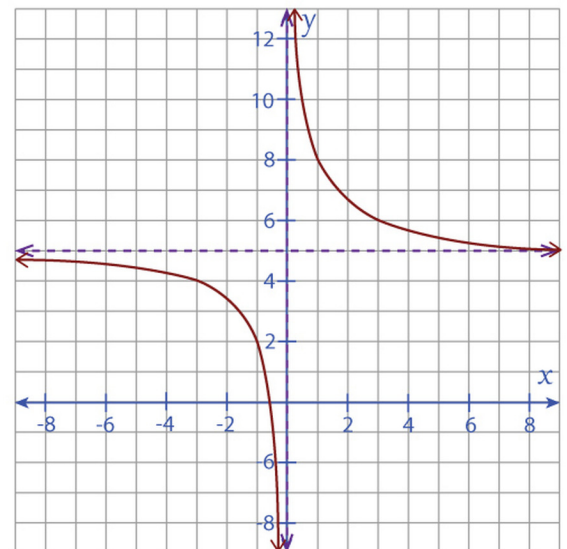
Range : all reals, $y \neq -2$



② $y = \frac{3}{x} + 5$

Domain : all reals, $x \neq 0$

Range : all reals, $y \neq 5$



① $f(x) = -\frac{3}{x}$

Domain : all reals, $x \neq 0$

Range : all reals, $y \neq 0$

② $f(x) = \frac{4}{x-1} + 1$

Domain : all reals, $x \neq 1$

Range : all reals, $y \neq 1$