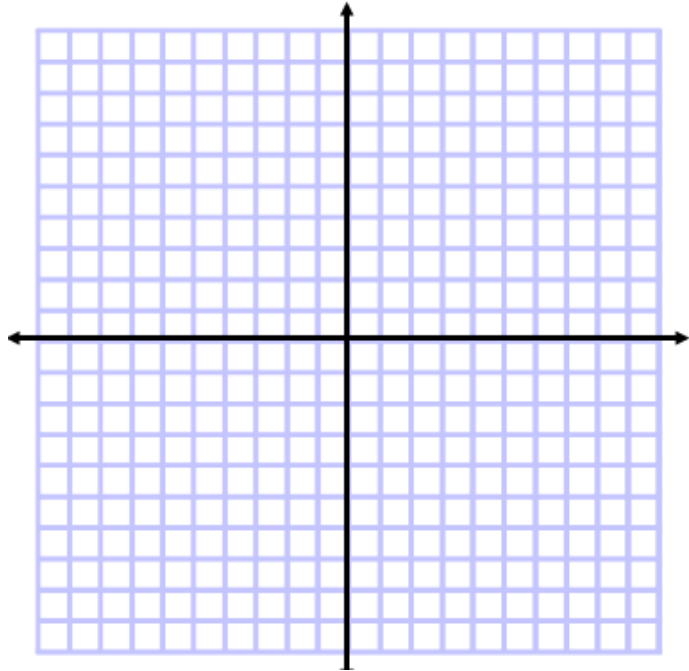


Graph $y = \frac{1}{x}$

X	Y
-2	
-1	
0	
1	
2	

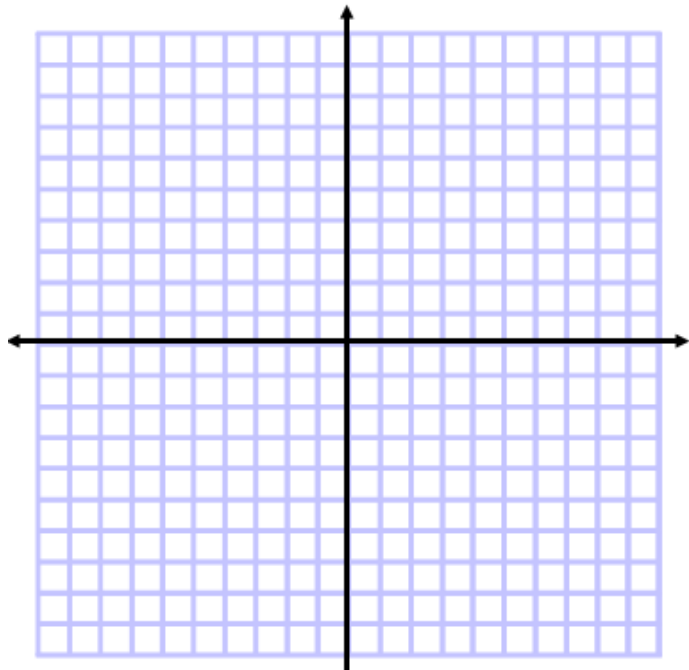
What do you notice about the graph?



Graph $y = \frac{4}{x}$

X	Y

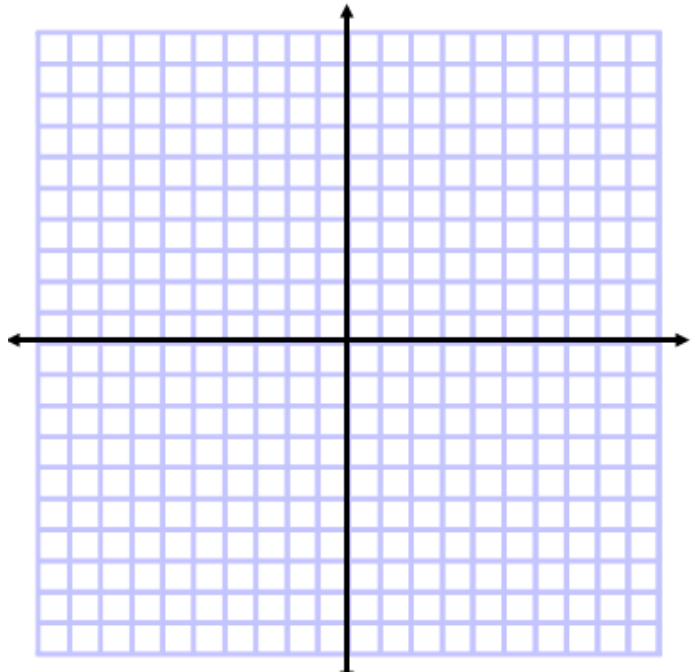
What do you notice about the graph compared to $y = \frac{1}{x}$?



Graph $y = -\frac{4}{x}$

X	Y

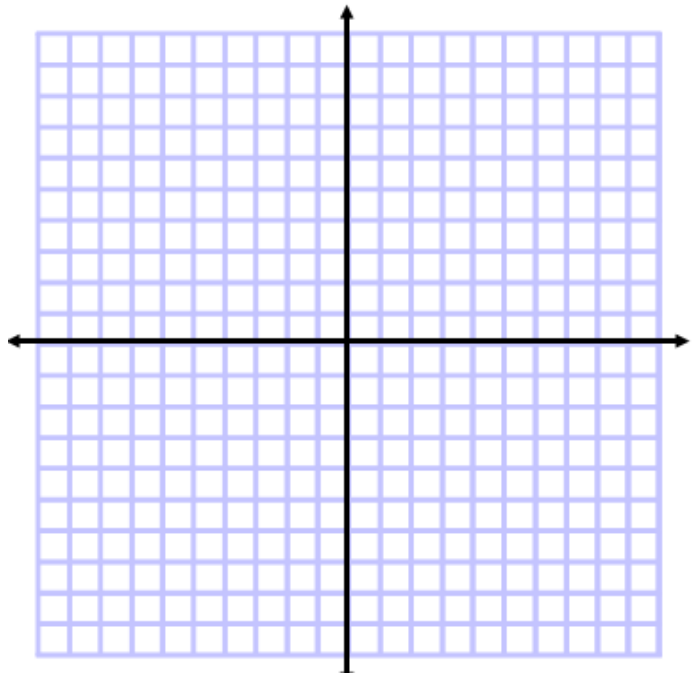
What do you notice about the graph compared to $y = \frac{1}{x}$ and $y = \frac{4}{x}$?



Graph $y = \frac{1}{x-1}$

X	Y

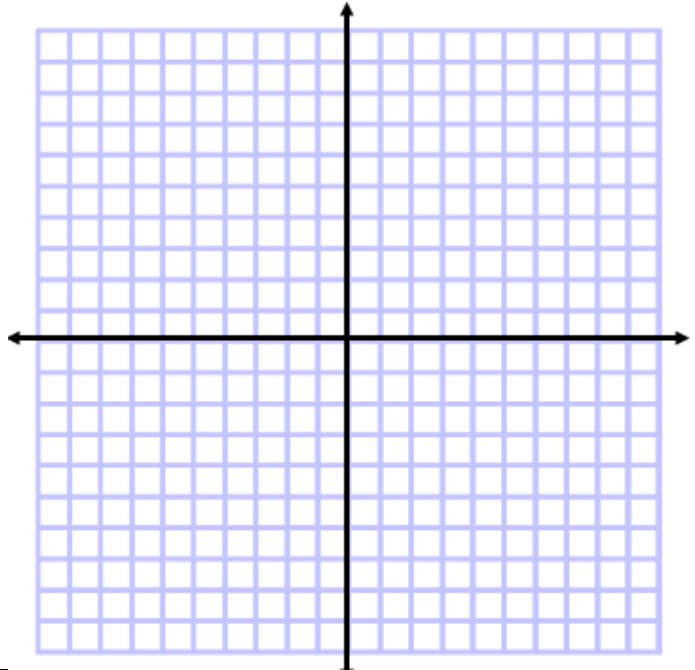
What do you notice about the graph compared to $y = \frac{1}{x}$?



Graph $y = \frac{1}{x+2}$

X	Y

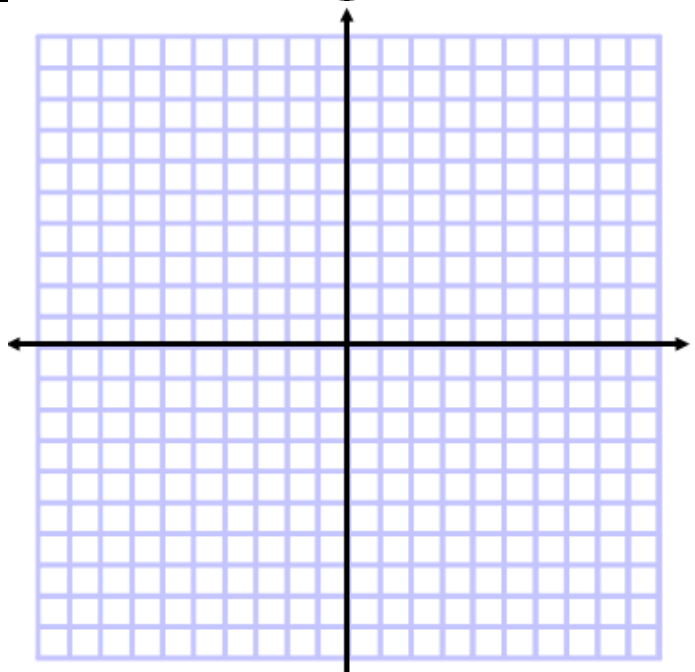
What do you notice about the graph compared to $y = \frac{1}{x}$?



Graph $y = \frac{1}{x} + 1$

X	Y

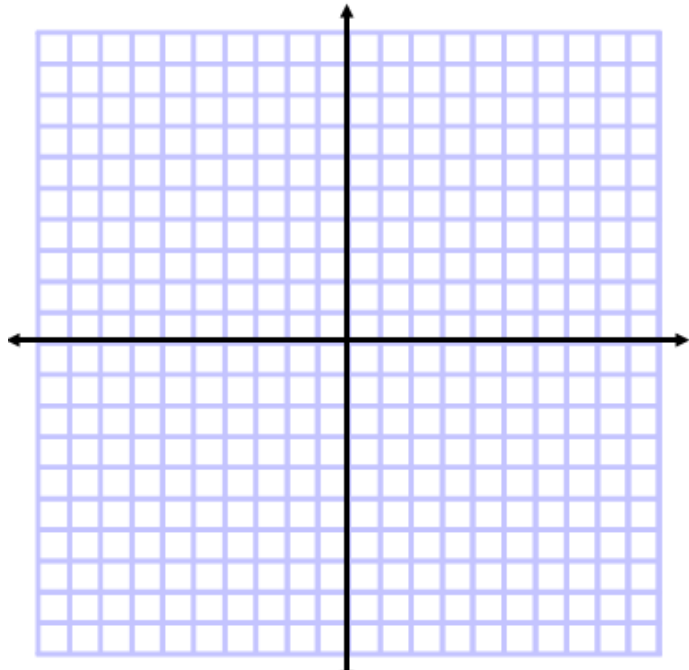
What do you notice about the graph compared to $y = \frac{1}{x}$?



Graph $y = \frac{1}{x} - 2$

X	Y

What do you notice about the graph compared to $y = \frac{1}{x}$?



In relation to $y = \frac{1}{x}$ what generalizations can you make if

1. $y = \frac{a}{x}$

2. $y = \frac{1}{x-h}$

3. $y = \frac{1}{x} + k$