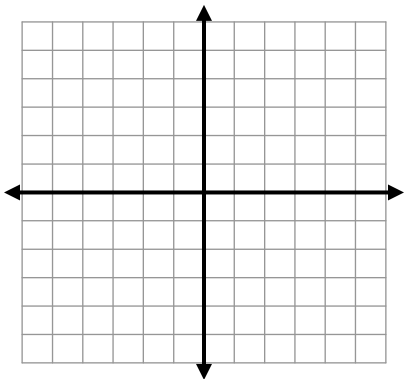


Graphing Rational Functions Worksheet

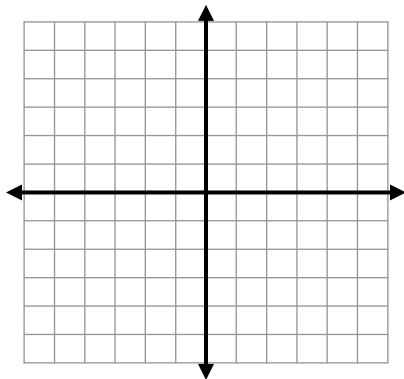
Directions:

Graph the following functions below. Below each graph explain how the graph has changed from question #1 (the parent function for rational functions)

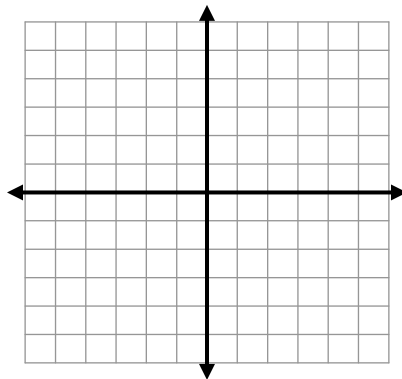
1. $y = \frac{1}{x}$ (parent function)



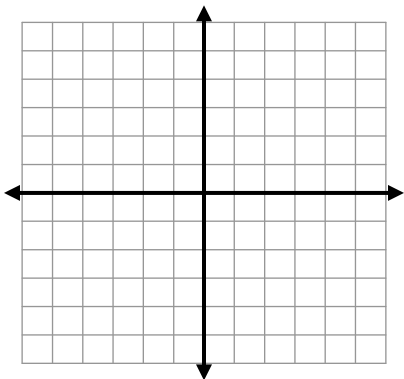
2. $y = \frac{-1}{x}$



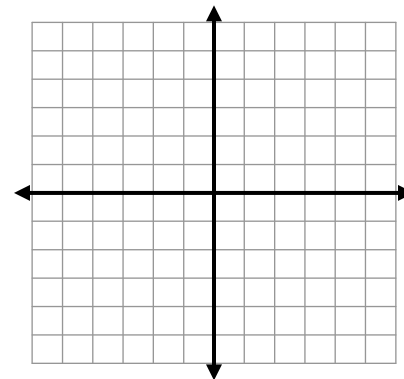
3. $y = \frac{1}{x} + 3$



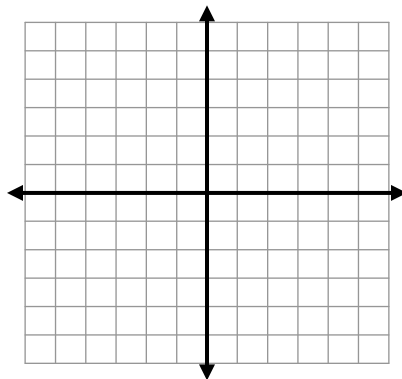
4. $y = \frac{1}{x+3}$



5. $y = \frac{1}{x-1}$

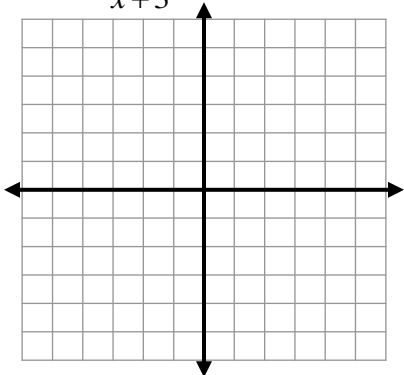


6. $y = \frac{-1}{x+2}$

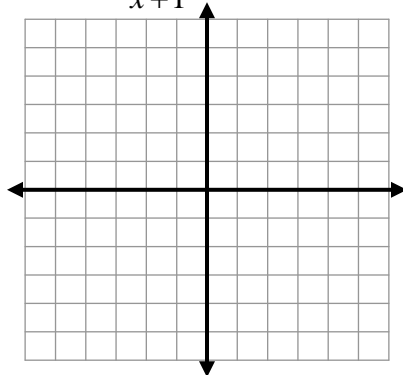


Graphing Rational Functions Worksheet

7. $y = \frac{2}{x+3} - 1$



8. $y = \frac{1}{x+1} - 1$



9. $y = \frac{-1}{x-4} - 4$

