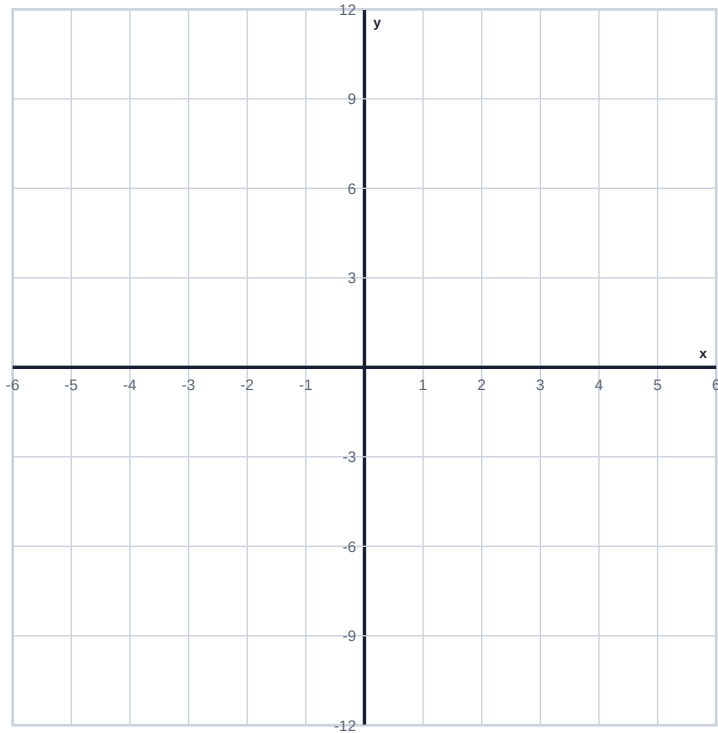


Graphing Simple Rational Functions

Find the asymptotes and intercepts, plot useful reference points, then graph each function on the blank grid.

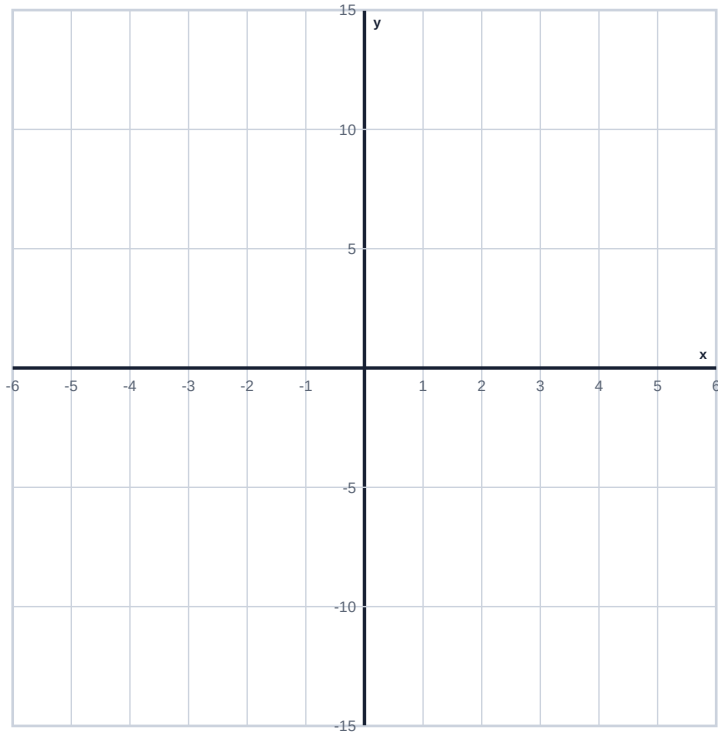
1. $f(x) = -6/x$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.



2. $f(x) = 6/(x + 2) - 4$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.

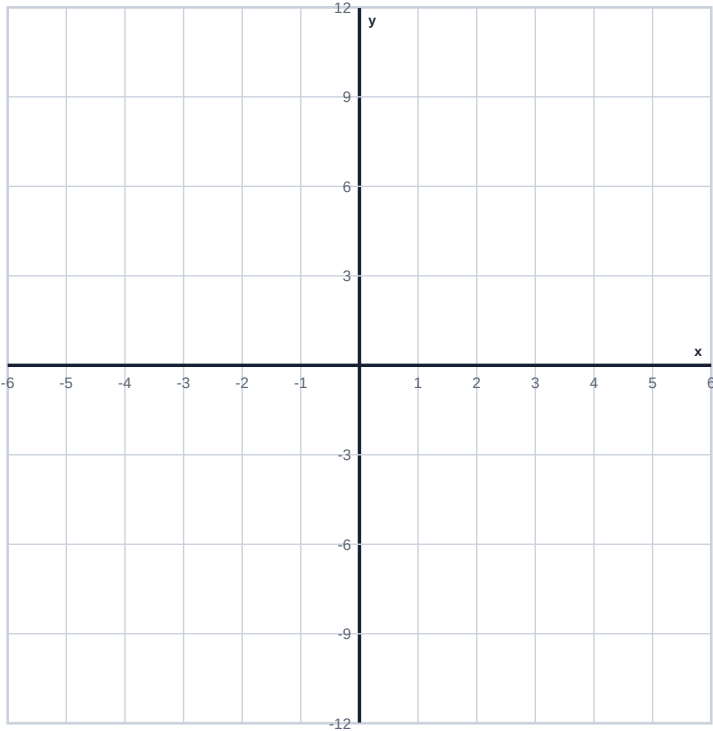


Graphing Simple Rational Functions

Find the asymptotes and intercepts, plot useful reference points, then graph each function on the blank grid.

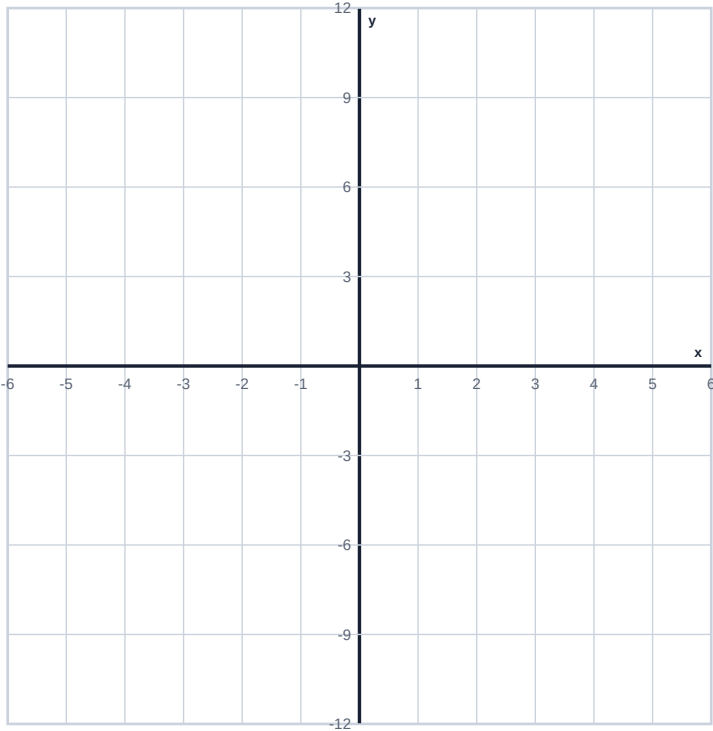
3. $f(x) = 1/(x - 1)$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.



4. $f(x) = -3/(x + 1)$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.

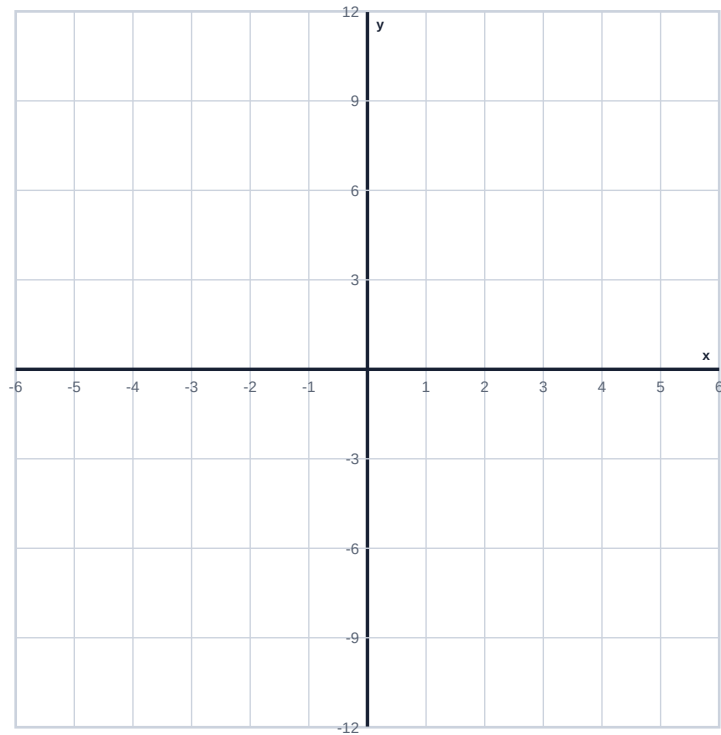


Graphing Simple Rational Functions

Find the asymptotes and intercepts, plot useful reference points, then graph each function on the blank grid.

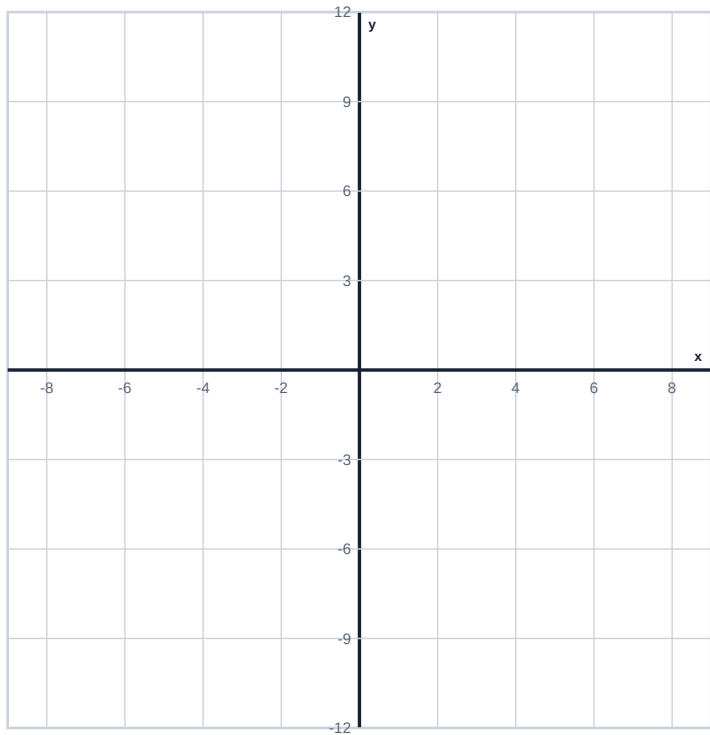
5. $f(x) = 6/x$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.



6. $f(x) = 4/(x + 2) + 1$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.

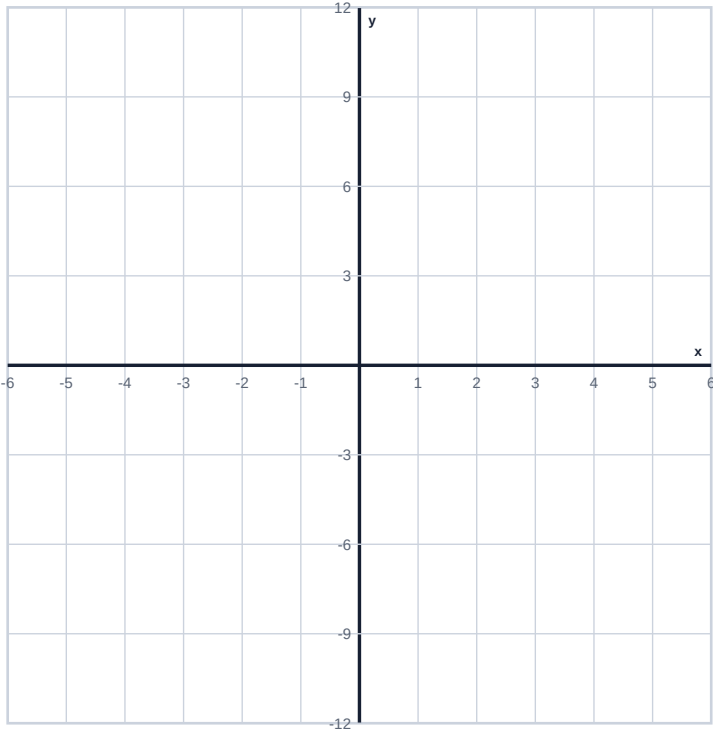


Graphing Simple Rational Functions

Find the asymptotes and intercepts, plot useful reference points, then graph each function on the blank grid.

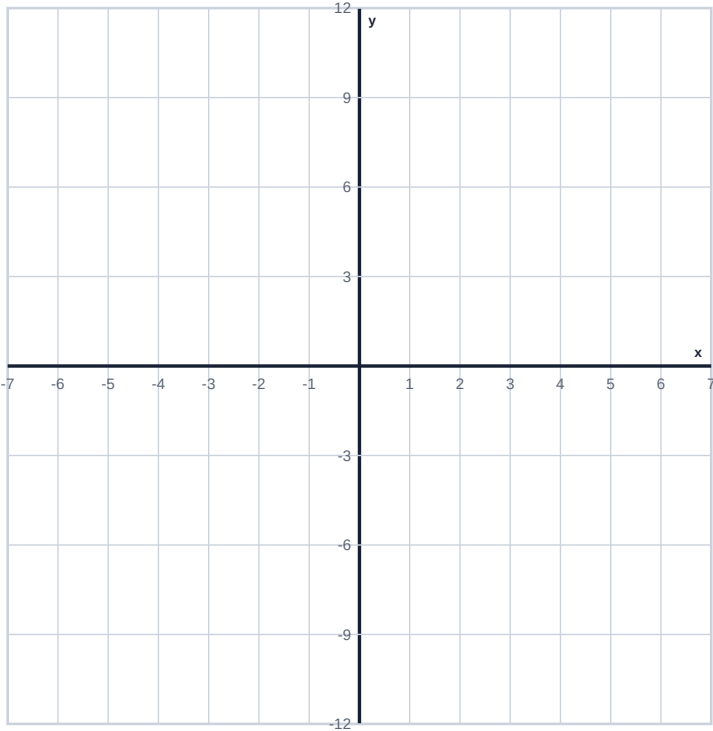
7. $f(x) = -5/x$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.



8. $f(x) = 3/(x + 3) - 3$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.

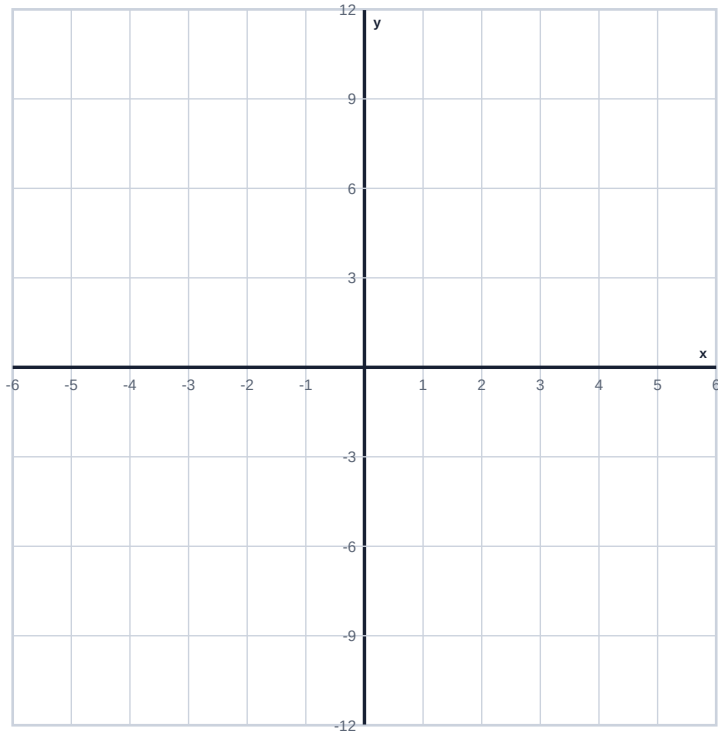


Graphing Simple Rational Functions

Find the asymptotes and intercepts, plot useful reference points, then graph each function on the blank grid.

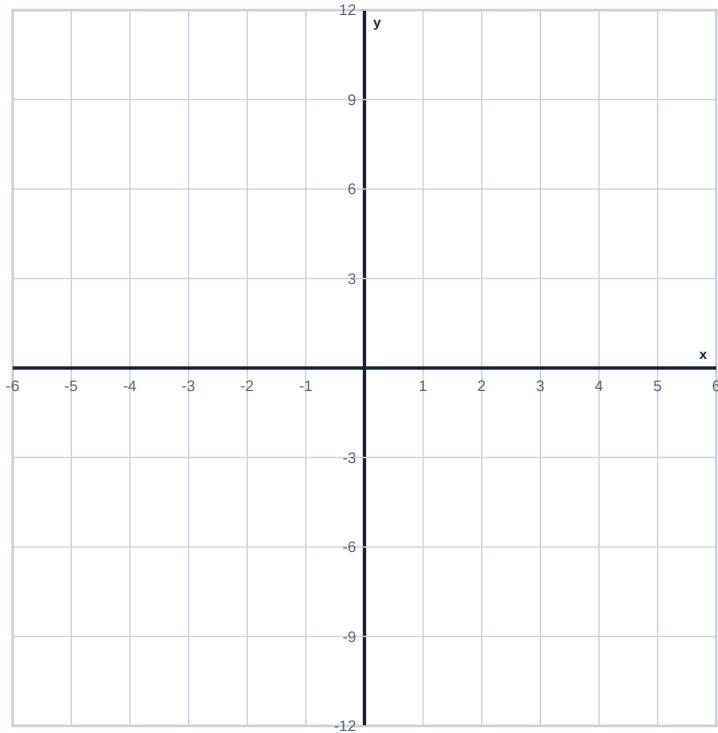
9. $f(x) = 6/(x - 1)$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.



10. $f(x) = 2/x$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.

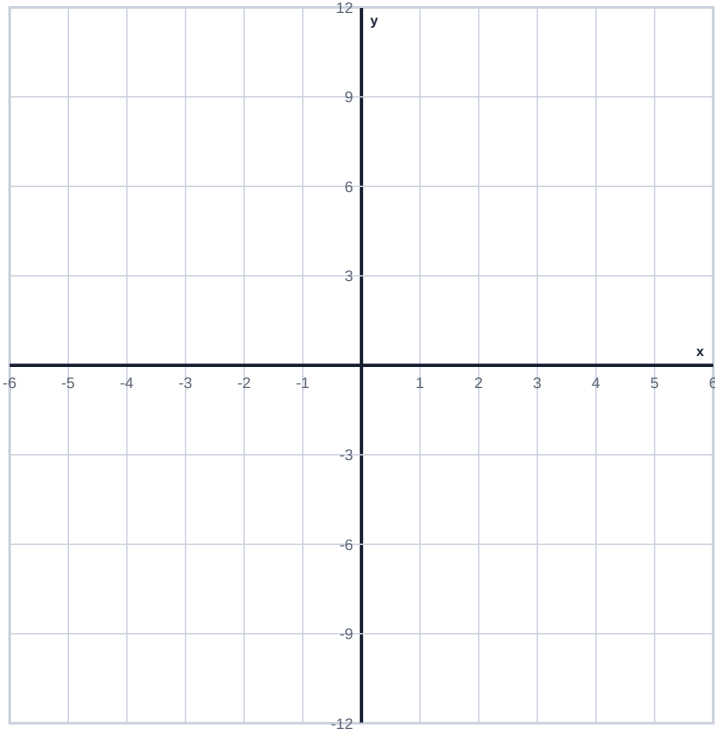


Graphing Simple Rational Functions

Find the asymptotes and intercepts, plot useful reference points, then graph each function on the blank grid.

11. $f(x) = -2/(x - 1) - 4$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.



12. $f(x) = 1/(x + 1)$

Original domain exclusions: _____
Holes: _____
Intercepts: _____
Vertical/horizontal/slant behavior: _____
Plot reference points, then sketch each branch.

