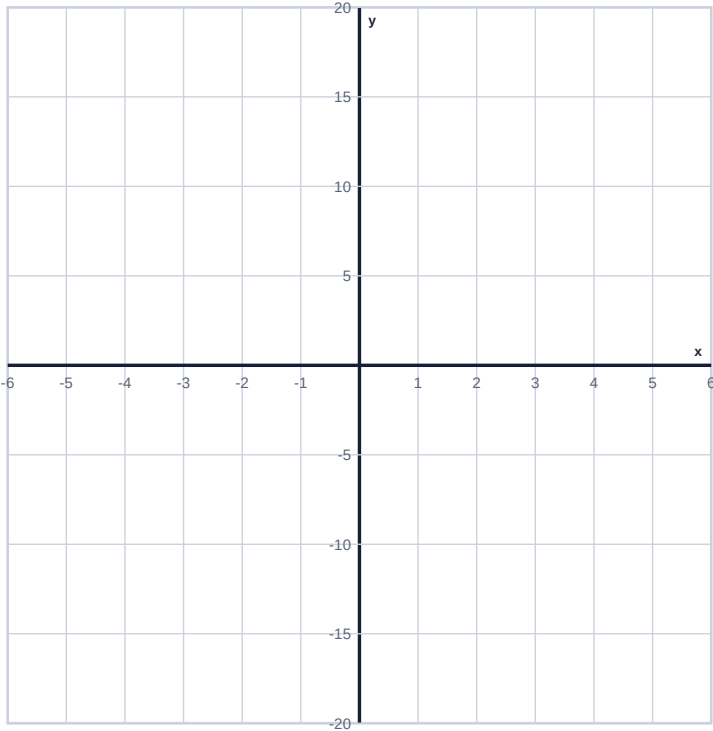


Graphing General Rational Functions

Factor when useful. Find the original domain exclusions, holes, intercepts and asymptotes, then graph each function on the blank grid.

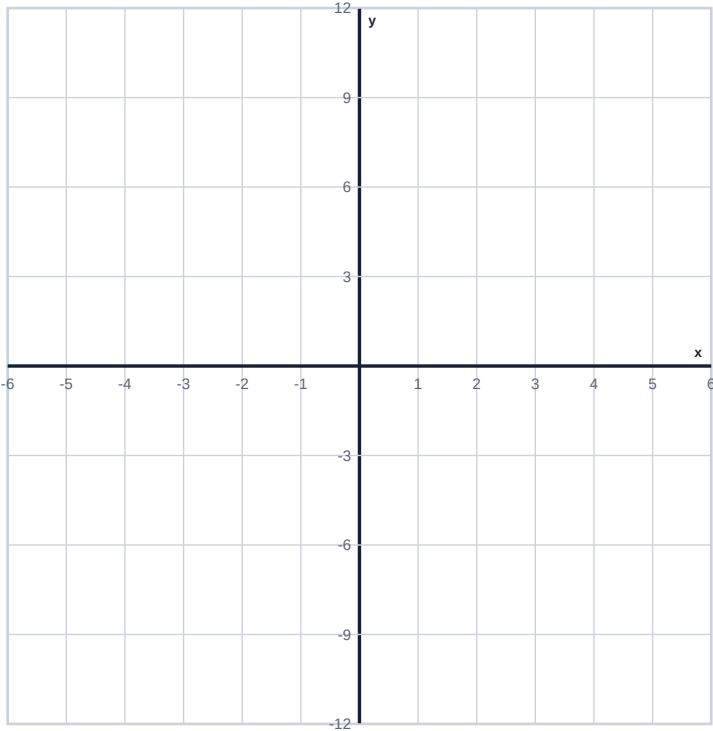
1. $f(x) = (-x^2 - 3x - 2)/(x - 1)$

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



2. $f(x) = (-x^2 - x + 2)/(x - 1)$

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

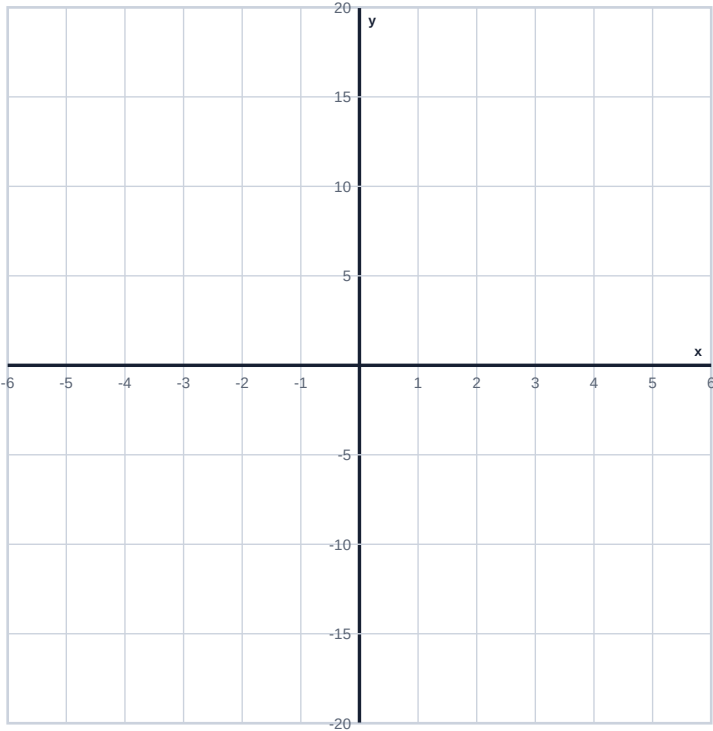


Graphing General Rational Functions

Factor when useful. Find the original domain exclusions, holes, intercepts and asymptotes, then graph each function on the blank grid.

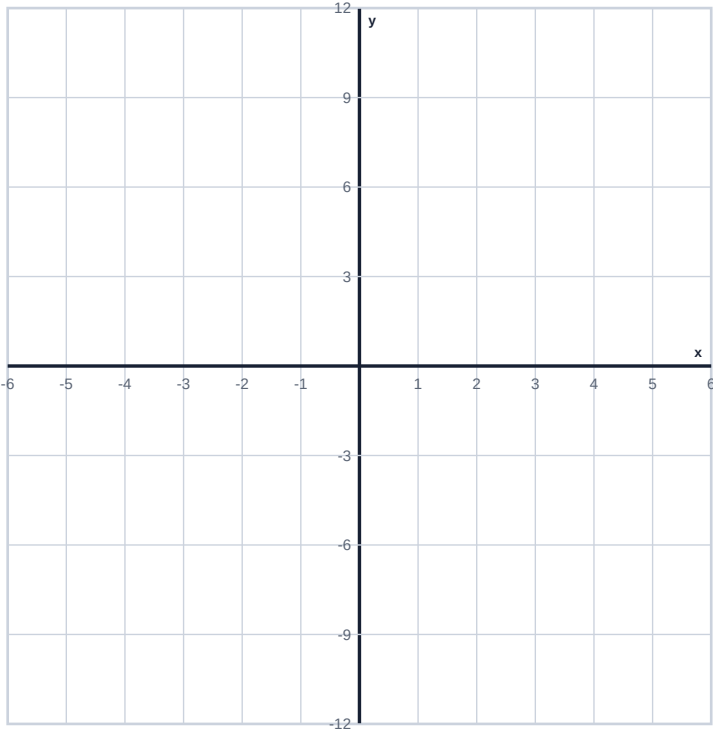
3. $f(x) = (-x^2 + x - 3)/(x^2 - 3x + 2)$

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



4. $f(x) = (-1)/(x^2 - 3x + 2)$

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

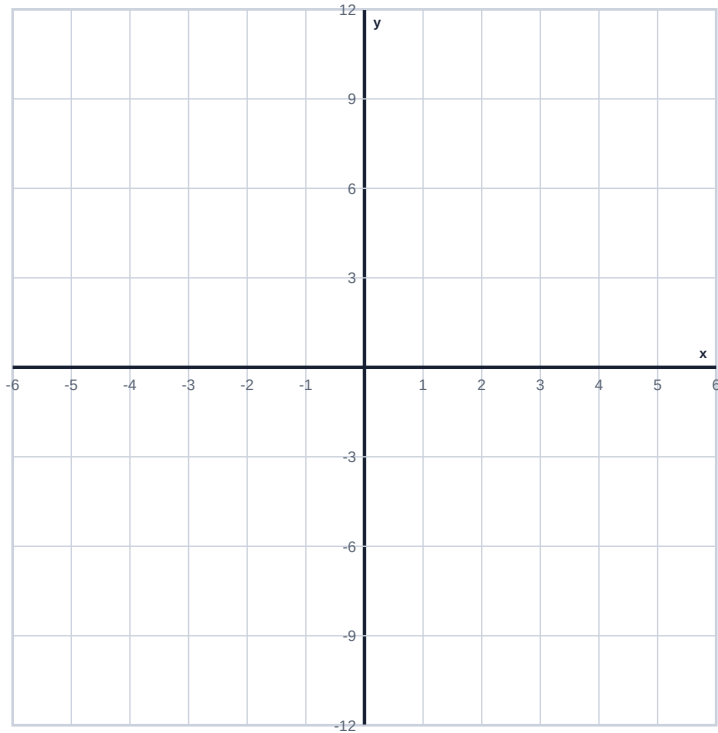


Graphing General Rational Functions

Factor when useful. Find the original domain exclusions, holes, intercepts and asymptotes, then graph each function on the blank grid.

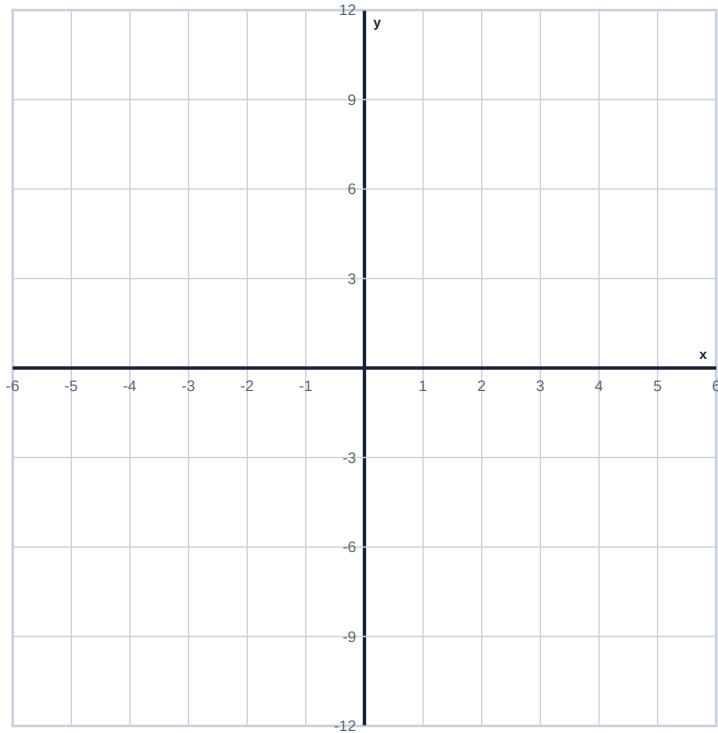
5. $f(x) = (-x - 2)/(x^2 - 2x + 1)$

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



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

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

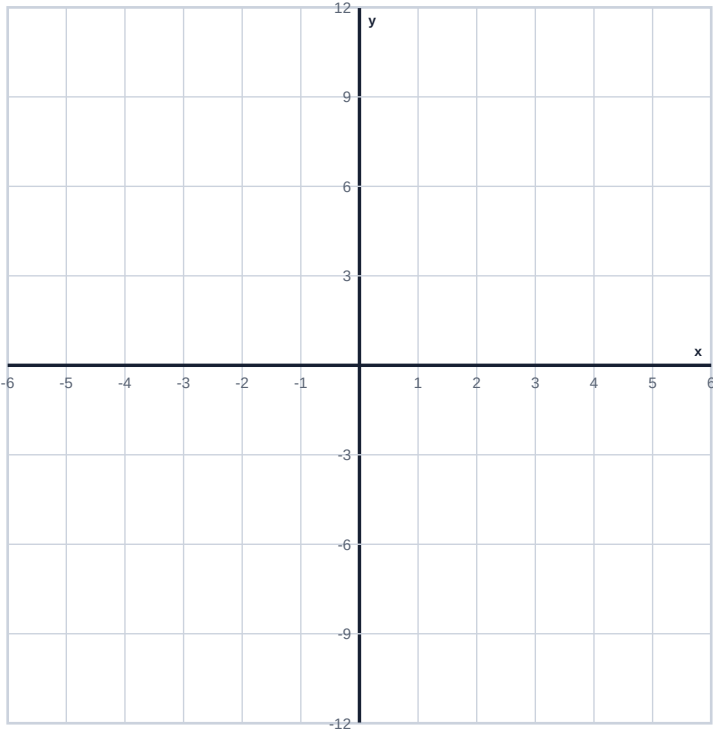


Graphing General Rational Functions

Factor when useful. Find the original domain exclusions, holes, intercepts and asymptotes, then graph each function on the blank grid.

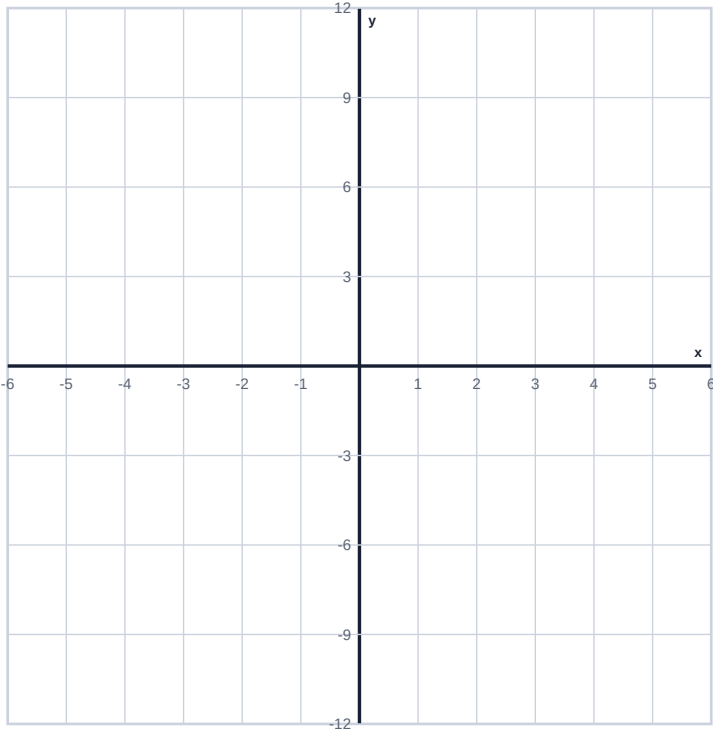
7. $f(x) = (-x + 1)/(x^2 - 3x + 2)$

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



8. $f(x) = (-x^2 + x - 1)/(x^2 + 2x + 2)$

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

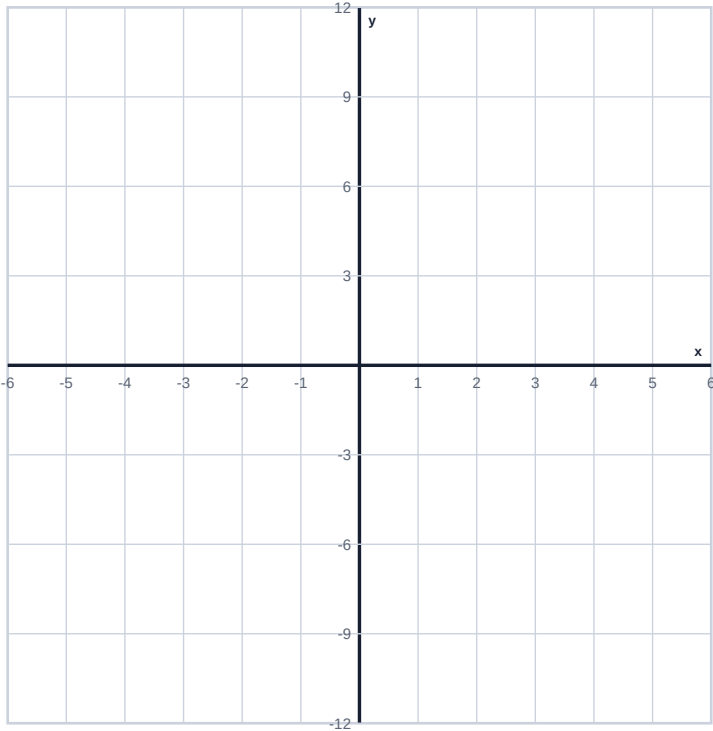


Graphing General Rational Functions

Factor when useful. Find the original domain exclusions, holes, intercepts and asymptotes, then graph each function on the blank grid.

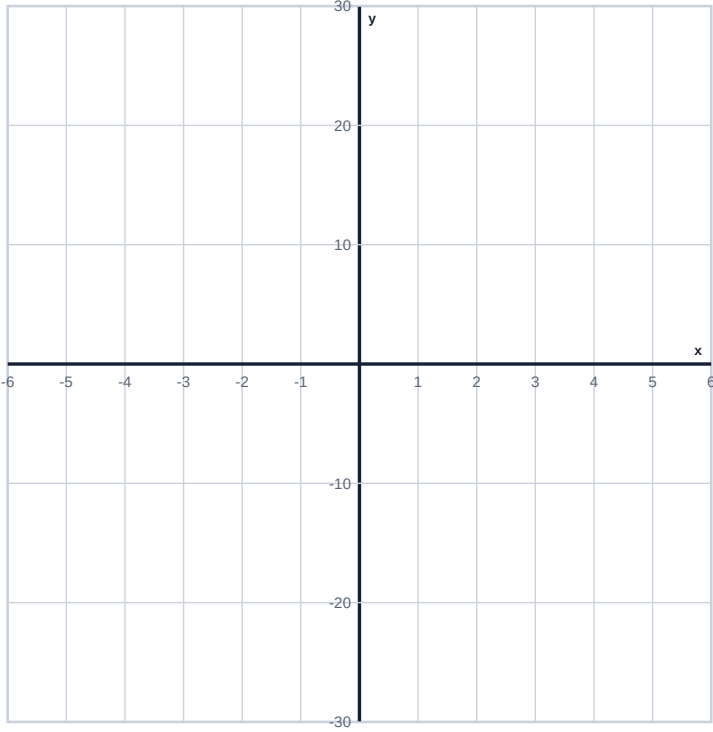
9. $f(x) = (-x^2 - x - 1)/(x^2 - x)$

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



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

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

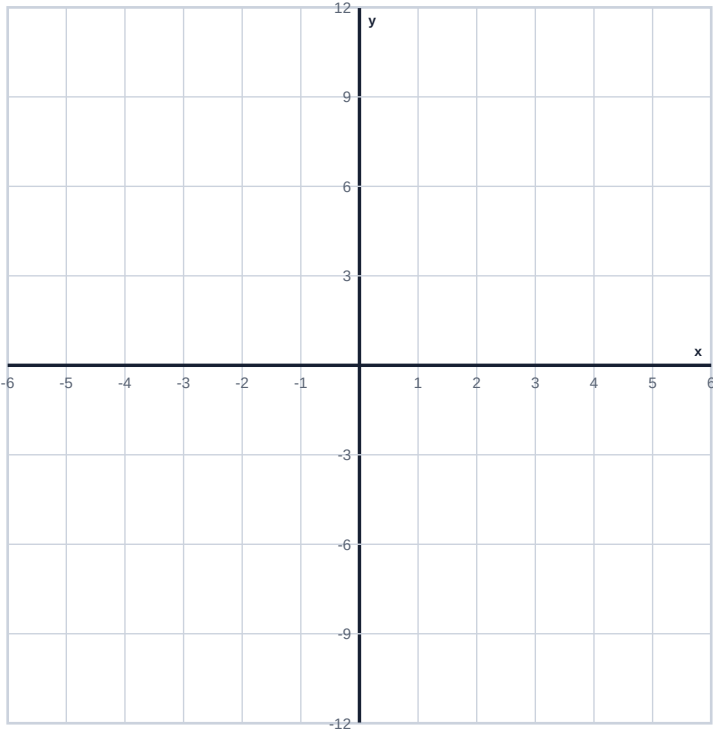


Graphing General Rational Functions

Factor when useful. Find the original domain exclusions, holes, intercepts and asymptotes, then graph each function on the blank grid.

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

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



12. $f(x) = (2x^2 - 2x + 6)/(x^2 - 3x + 2)$

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

