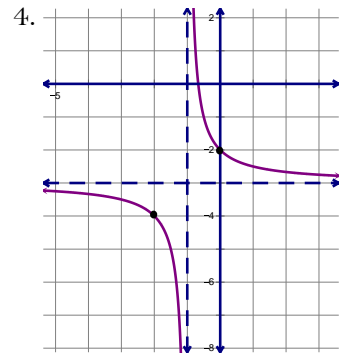
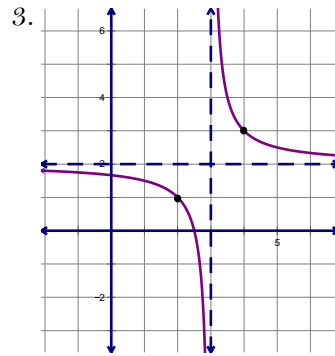
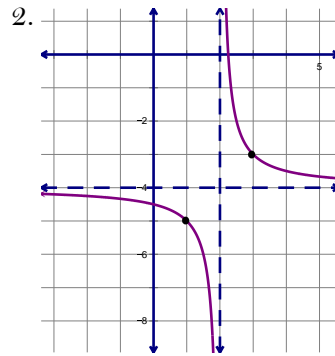
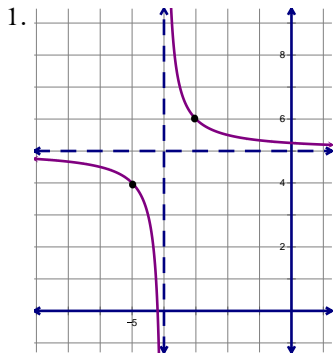


Write the equation for the function.



Find the domain, range, and equations of the asymptotes. Then, sketch a graph of the function.

5. $f(x) = \frac{1}{x+2} - 3$

6. $g(x) = \frac{1}{x-4} + 2$

7. $h(x) = \frac{1}{x+3} + 5$

8. $j(x) = \frac{1}{x-1} - 4$

Simplify.

9. $\frac{9}{x^2+7x+10} + \frac{3}{x+5}$

10. $\frac{x}{x-4} - \frac{12}{x^2-5x+4}$

11. $\frac{8x}{6x^3-24x^2} \cdot \frac{8x-32}{16x}$

12. $\frac{9}{2x^2-3x-2} \div \frac{9x^3}{x-2}$