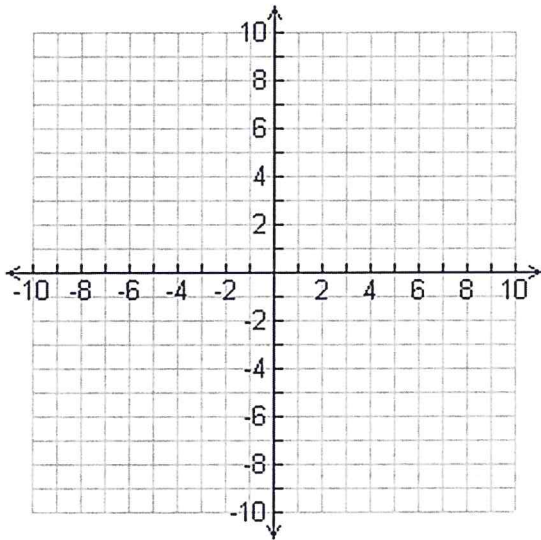


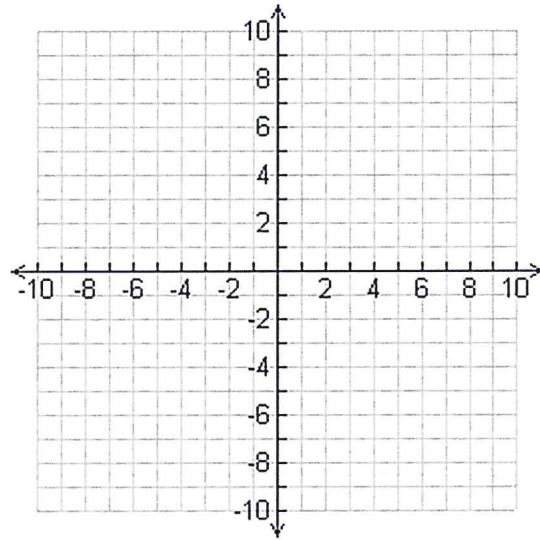
Graphing on the Coordinate Plane
Emphasis on Rational Functions – Additional Practice

Graph each of the following Rational Functions identifying any holes, vertical/horizontal asymptotes:

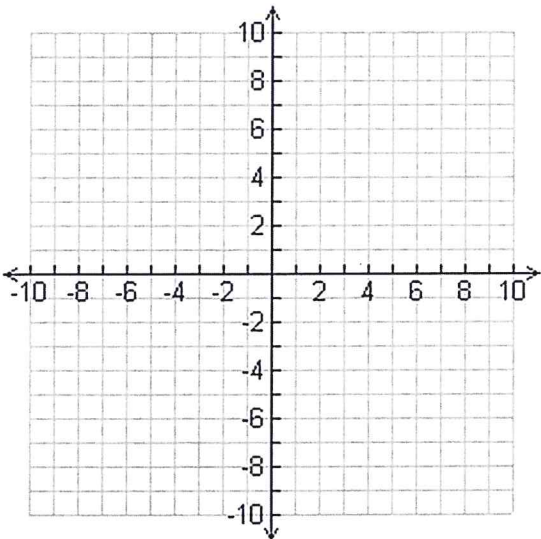
1. $y = \frac{x^2-9}{x-3}$



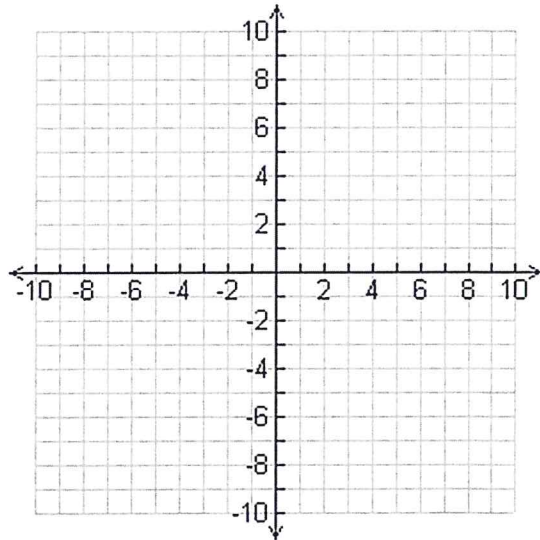
2. $f(x) = \frac{x^2-2x-3}{x-2}$



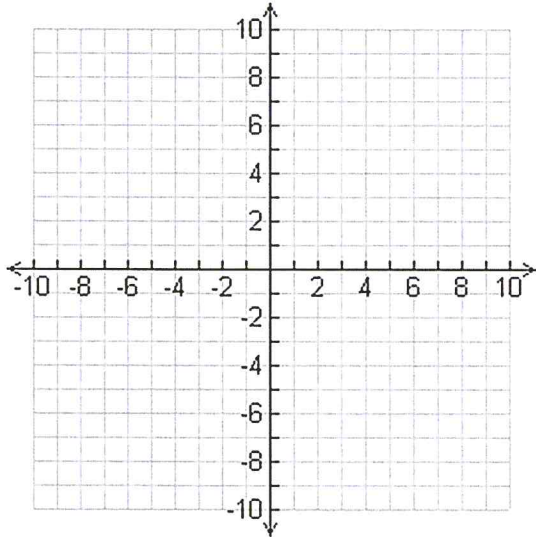
3. $f(x) = \frac{x+1}{(x-3)^2}$



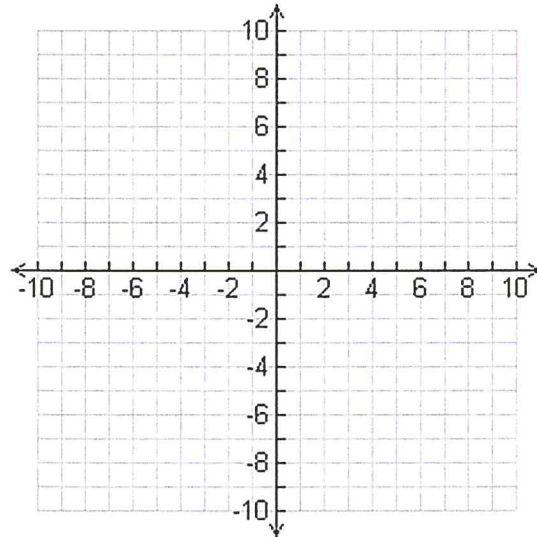
4. $y = \frac{x-4}{-4x-16}$



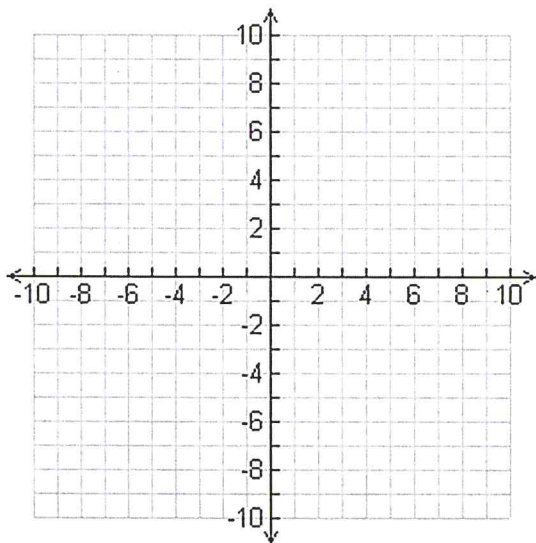
5. $f(x) = \frac{x^2 + x - 2}{x^2 - x - 6}$



6. $f(x) = \frac{2x^2}{x^2 - 1}$



7. $f(x) = \frac{3}{x-2}$



8. $f(x) = \frac{2x-1}{x}$

