

Analyze each function and predict the location of any VERTICAL asymptotes, HORIZONTAL asymptotes, HOLES (points of discontinuity), x- and y-INTERCEPTS, DOMAIN, and RANGE.

Characteristic	$y = \frac{2x - 1}{x - 7}$	$y = \frac{x^2 + 5x}{x^2 + 7x + 10}$	$y = \frac{x^2 - 7x + 12}{x^2 - 9}$	$y = \frac{2x^2 + 5x - 3}{x + 3}$
<b>Vertical Asymptote(s)</b> <i>Analyze Denominator</i>				
<b>Horizontal Asymptote(s)</b> <i>Analyze Degrees of Polynomial (num/den)</i> <i>(m &lt; n, m = n, m &gt; n)</i>				
<b>HOLES</b> <b>Point(s) of Discontinuity</b> <i>Simplify the Rational Function by factoring</i>				
<b>x-intercept(s)</b> <i>Set y=0</i>				
<b>y-intercept</b> <i>Set x=0</i>				