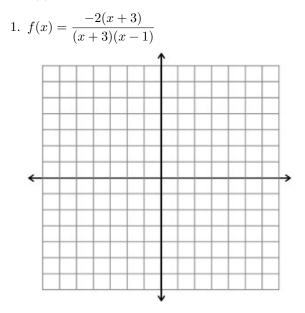
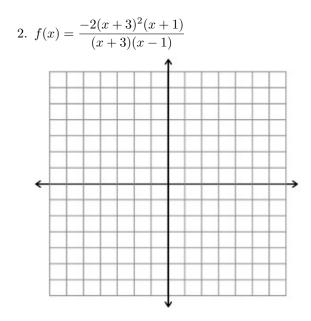
NAME:\_\_\_\_\_

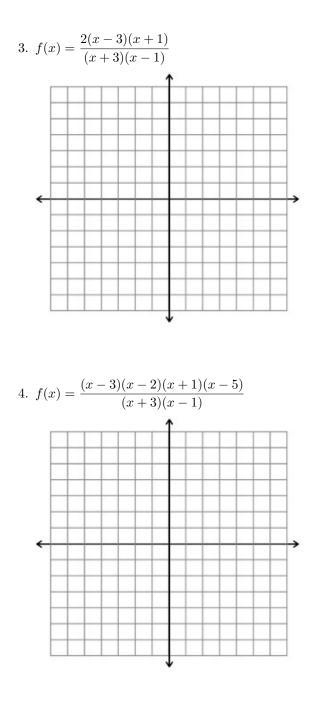
## Worksheet 60 - Rational Functions

For each rational function given below, do the following:

- (a) Identify any holes, zeros and vertical asymptotes.
- (b) Indentify the horizontal or slant asymptote or give the end behavior.
- (c) Find the *y*-intercept.
- (d) Give a sign chart.
- (e) Sketch the graph clearly showing the end-behavior, zeros, and y-intercept.







5. What is the end behavior of  $y = \frac{(ax-c)^3(x-b)}{(dx-e)^2(x-f)^2}$ ?