Quiz 6A

Name:

UAlbany Email:

Closed book/notes. No calculators allowed. Show all your work to receive full credit.

1. Consider the rational function $R(x) = \dfrac{(x+2)^2(x-5)}{(x-3)(x+1)(x+4)}$.

   (a) (2 Points) Find the $x-$intercepts.

   (b) (2 Points) Find the $y-$intercepts.

   (c) (2 Points) Find the vertical asymptotes, if any.

   (d) (2 Points) Find the horizontal asymptotes, if any.

   (e) (2 Points) True or False? A rational function cannot have both a horizontal asymptote and a slant asymptote.

Grade: /10