

No calculators are allowed on this quiz. Please read each question carefully, follow directions and clearly mark your solutions. **Show your work for full credit.**

Since the jet ski rental company idea didn't succeed over the Spring Break you decided to get some money by helping your roommate with his/her math problem. Solve the following problem:

Consider the following function

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

1. Find the domain of $f(x)$
2. Find the horizontal asymptote(s), if any.
3. Find the vertical asymptote(s), if any.

4. Graph the function

