Math 3 Unit 5 Study Guide Unit 5

***Directions:* Sketch the asymptotes and the graph of each function. Identify the domain.**

1. **** 
2. ****
3. ****

***Directions:* Find points of discontinuity, the domain, horizontal and vertical asymptotes, and x-intercepts.**

1. ****
2. 

****

**Simplify. State any restrictions on the variables.**

1. ****
2. ****
3. ****
4. ****
5. 
6. ****
7. 
8. 

**Simplify each sum or difference. State any restrictions on the variables.**

1. 
2. 
3. 
4. 
5. ****
6. ****

**Solve each equation. Check each solution.**

1. 
2. 
3. 
4. 
5. 
6. 