**Application Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. The volume of a pyramid is equal to . If the height of the pyramid is , determine a simplified expression to represent the area of the base. Do not state restrictions.

 Hint: 

1. Given the following defined functions for f(x) and g(x):



 Create a simplified equation for h(x) and state all restrictions if:

 

1. Simplify the following rational expression and state all restrictions.

