Ch.1/2 Non calc

**1.** Two functions *f*, *g* are defined as follows:

 *f* : *x* 5*x* - 5
*g* : *x*  2(1 – 2*x*)

 Find:

1. *f*  (2)
2. (*g* o *f*)(–4)

**2.** Consider the functions *f* : *x * 2 (*x* – 3) and *g* : *x .*

(a) Find *g*–1

1. Solve the equation (*f* ° *g*–1) (*x*) = 4.

**3.** Express in simplest form with a prime number base.

(a) 

(b) .

**4.** Find the sum of the arithmetic series

27 + 35 + 33 +...+ 857.

**5.** Find the sum of the infinite geometric series



**6.**  Use the graph of the following function to sketch the graph of the inverse function.

 