Homework 3

2.6:

P = 1373 g = 2

A = 974 a = ?

B= ? b= 871

B = (mod 1373) = 805

397

=> a = 587

Check:

2.8:

P = 1373 g = 2

1. a = 947 p = 1373
2. b = 716 m = 583 k = 877

c1 =

c2 =

1. a = 299

x

m

X =

m =

2.17

a) x = 37

b) x = 59

c) x = 319

Next, take the prime 18446744073709551629 where g = 18446744073709551628, and h = 18446744073709551628

Then x = 1