SCCS Math Homework 1/20/13

1. G(n) = n^2 + n

H(n) = n^2 – n

G(5) – H(4) =?

1. Let the operation % be defined as x % y = 2x – (x^2 + y) – xy

What is the value of 4 % 3?

1. x # y = (x^2)(y^2) – (xy + 2)

What is the value of 2# (1 # 4) ?

1. x@y = 2(x^2) + 3(y^2) - 4xy - 10

What is the value of 126 - (2@(3@4))?

1. x&y&z = (x^2) – (y^2) + 4(z^2)

What is the value of 1&(35 - 2&1&3)&5?