Warm Up: Given $f(x) = -x^2 + 5x - 11$, find f(-4)

EX #1: Given $f(x) = 3x^2 + 8x - 6$ and $g(x) = -4x^2 + 4x - 8$

- Find (f+g)(x)
- Find (f-g)(x)
- Find (f+g)(2)
- Find f(2) + g(2)
- Find (f-g)(x)
- Find (f+g)(-3)

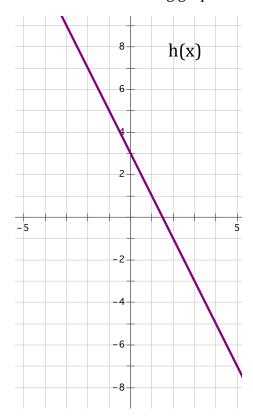
EX #2: The number of U.S. households estimated to pay one bill online each month during the years 2000 through 2013 can be modeled by the polynomial function defined by

$$P(x) = 0.808x^2 + 2.625x + 0.502$$

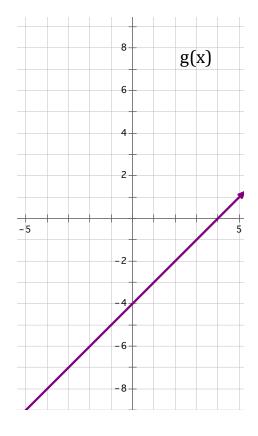
Where x = 0 corresponds to 2000, and x = 1 corresponds to 2001.

Use this function to approximate the number of households that paid at least one bill online each month in 2008.

EX #3: Given the following graphs of h(x) and k(x)



Find (h+k)(3) (k-h)(0)



 $(h-k)(0) \qquad \qquad (h\cdot k)(-2)$

Assignment: pg. 263 #17-28