**Estimating g(x) given f(x)**

(1)f(x) = n + log2n O(g(x)) =

(2)f(x) = n2+ log n4 O(g(x)) =

(3)f(x) = n2\*n3 O(g(x)) =

(4)f(x) = n5/n2 O(g(x)) =

(5)f(x) = n\*(log n)\*n O(g(x)) =

(6)f(x) = n + n log n + log n O(g(x)) =

**Counting Operations to produce polynomials**

f(x) =

f(x) =

f(x) =

f(x) =

**More Advanced Practice**

Binary Search: g(x) =

Bubble Sort: g(x) =