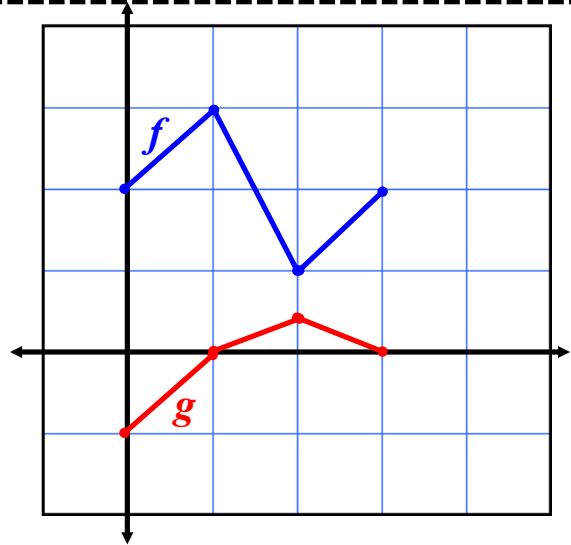# Advanced Math

1-5

(Day 2)

Combinations of Functions

Use the graphs of f and g to graph $h(x) = (f + g)(x)$.

21) $f(x) = x^2$, $g(x) = 1 - x$

Find a) $(f + g)(x)$,

b) $(f - g)(x)$,

c) $(fg)(x)$,

d) $(f / g)(x)$

domain:

Evaluate the indicated operations for $f(x) = x^2 + 1$ and $g(x) = x - 4$.

33) $(fg)(4) =$

Find a) $f \circ g$, b) $g \circ f$, and $f \circ f$.

53) $f(x) = 3x + 5$, $g(x) = 5 - x$

Assignment:
pg. 168
9-18 all,
22-38 every 4th,
52-60 even,
62-70 all, 78, 80,
85 - 89 all