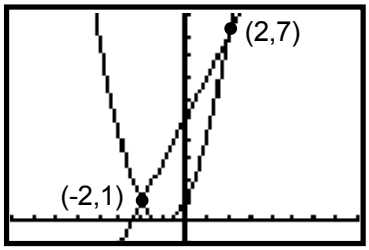
Calculus AB

6-1

Area Between Curves

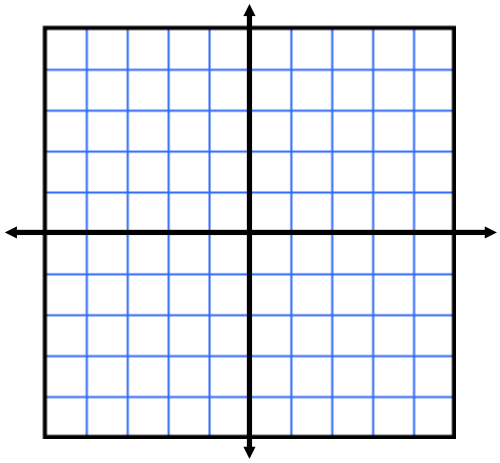
Set up the definite integral that gives the area of the region. (pg 454)

2) $f(x) = x^2 + 2x + 1$
$g(x) = 2x + 5$



Sketch the region bounded by the graphs of the algebraic functions and find the area of the region.

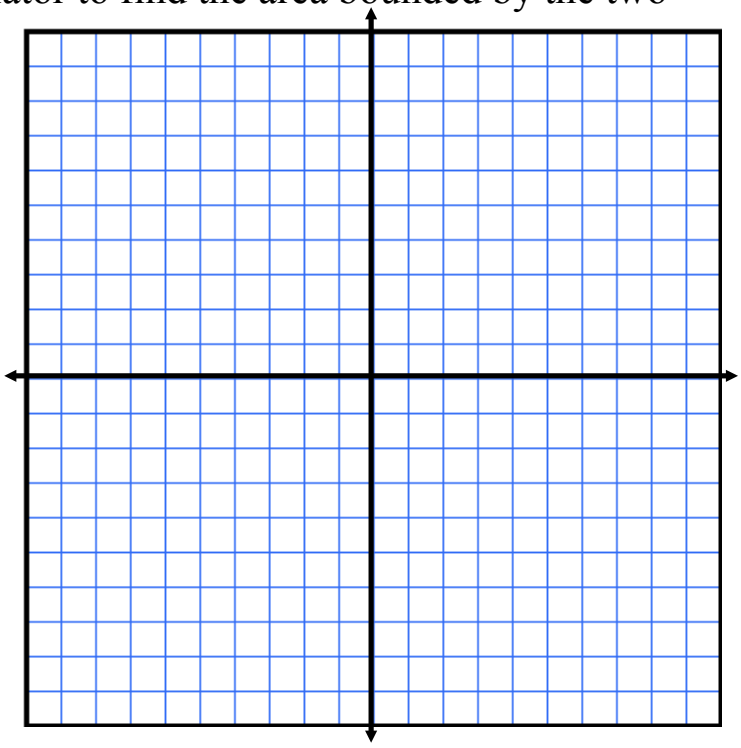
24) $f(x) = -x^2 + 4x + 1$, $g(x) = x + 1$



Set up an integral and use your calculator to find the area bounded by the two functions.

*) $f(x) = \sqrt[3]{x - 3} + 2$

$g(x) = x - 1$



Assignment:
Pg. 454
1-5 odd,
19-35 odd,
47-51 odd.