



Warm Up

Day 119

No Calculator

- A. Find the points of intersection of the two functions.
- B. Set the integral up that will find the area of the region bounded by the two functions. Then find that area.
- C. The line  $y=k$  splits the region above in half. Write, but do not solve, an integral equation that would solve for the variable  $k$ .
- D. Region  $R$ , not pictured, is bounded by  $x = y^2$  and  $x = 3y + 4$ . Find the area of this Region.