Math 205 Lab #2

Area Between Curves

Please review section 5.4 (pgs 298-305) in the 6th edition of Hughes-Hallet. Please complete the following task:

1. Sketch the region formed by the intersection of $y = e^{-x/2}$ and $y = e^{x/5}$ and find the area between x = -2 and x = +2
2. How could you find the area formed by this intersection if you let x go to plus or minus infinity? Try it!