## 6.5 – Volumes of Solids of Revolution, Part II

- 1. Consider the region *R* bounded by the curves  $y = \ln x$ , y = -2, and x = 3.
  - a. Find the volume of the solid formed when R is revolved about the line y = -2.

b. Find the volume of the solid formed when R is revolved about the line x = 5.

Last Update: 8/8/18

- 2. Consider the region *D* bounded by the curves  $x = y^2$  and x = 2y.
  - a. Find the volume of the solid formed when D is revolved about the line x = -1.

b. Find the volume of the solid formed when D is revolved about the line y = 4.

- 3. Consider the region  $\Gamma$  bounded by the curves  $y = e^{-2x}$  and  $y = 2 x^2$ .
  - a. Find the volume of the solid formed when  $\Gamma$  is revolved about the line y = 3.

b. Find the volume of the solid formed when  $\Gamma$  is revolved about the line x = -3.