Chapter 6 Test Outline

Part 1 No Calculator   5 questions

1. Find the area between the curves 6.1 Part $\overline{3}$
2. Find the shaded area
   6.1 Part 2 $\int_c^d f(y) - g(y) \, dy$ $\overline{4}$

3. Find the area between the curves $\overline{4}$

4. Volume about x-axis $\overline{4}$
   Method of your choice

5. Volume about y-axis
   horizontal washers

$$V = \pi \int \left[R(y) \right]^2 - \left[r(y) \right]^2 \, dy \qquad \overline{4}$$

Part 2 Use a graphing calculator
            5 questions

① Average Value   6.2   (3rd example)
                         $\overline{4}$

② Population   6.2 (gorilla) $\overline{3}$
                              $\overline{3}$

③ Area (using calculator)

fn Int (   ) $\overline{4}$

④ Volume (Using calculator)

fn Int (   ) $\overline{3}$

⑤ Volume Shells $\overline{4}$

Bonus /3