Chapter 7 Outline

Part 1

No Calculator
Multiple Choice   17 Questions (34)

1 → 7 Find the derivative

8 → 11   Limits

12 → 15   Indefinite Integrals   + C

16 → 17   Definite

Part 2 Written (Use a calculator)

1. ⎫
2. ⎬ Find the derivative $\frac{1}{3}$
   ⎭ $\frac{1}{3}$
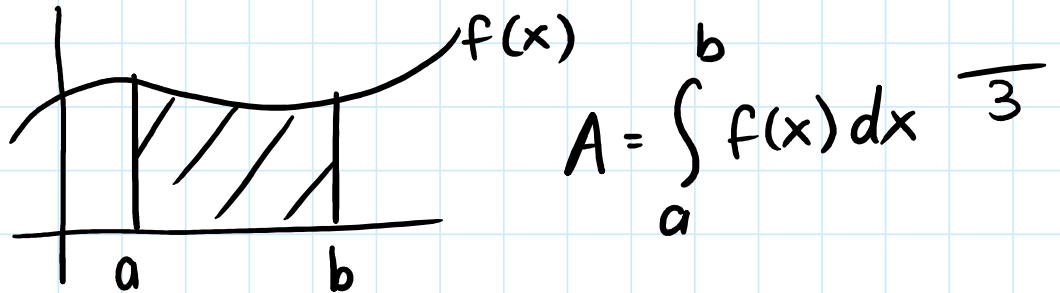
3. Use logarithmic differentiation $\frac{1}{3}$

4. Using inverses (7.2) g(x) is the inverse of f(x)
   given f(x)   find g'(8) $\frac{1}{3}$
   without finding f'(x)

without finding $f'(x)$

$$g'(b) = \frac{1}{f'(a)}$$

5. Find any local Max/Min $\overline{3}$

6. Find the area below the curve

$f(x)$

$$A = \int_a^b f(x)\,dx \quad \overline{3}$$

7. }
8. } Word Problems   7.4 / 7.5

$$\frac{3}{2}$$