

Name \_\_\_\_\_

Sr.# \_\_\_\_\_

**Q1) Evaluate**  $\int_{-1}^2 x^2 \sqrt{2+x} dx$

**Q2) Evaluate**

Let  $f$  be a continuous function on  $[-1, 4]$  such that:

$$\int_{-1}^2 f(t) dt = 5 \text{ and } \int_1^2 f(2t) dt = 2,$$

then  $\int_{-1/3}^{4/3} f(3t) dt =$