

**Name:**

**ID:**

**Quiz 3(M-102)**

**Sr. #**

**Pts:**

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Integrate showing all necessary work

**Q1.**  $\int x2^{x^2} dx .$

**(5 pts)**

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**Q2.**  $\int \sinh^2 x dx$

**(5 pts)**

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**See on the other side**

**Q3.**  $\int \tan^{-1} x dx.$

**(5 pts)**

**Q4.**  $\int \csc^3 x dx$

**(5pts)**

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**Sr. #**

**Pts:**

---

Integrate showing all necessary work

**Q1.**  $\int \frac{\log_2(x-1)}{1-x} dx.$

**(5 pts)**

---

**Q2.**  $\int e^{2x} \cosh x dx$

**(5 pts)**

---

**See on the other side**

**Q3.**  $\int e^{2x} \cos 2x dx .$

**(5 pts)**

**Q4.**  $\int \sec x \tan^2 x dx$

**(5pts)**