

Name:

ID #:

Section 28

Serial #:

---

**Q1.** Find the area of the surface generated by revolving  $x = \frac{1}{3}y^{\frac{3}{2}} - y^{\frac{1}{2}}$ , from  $y = 1$  to  $y = 3$ , about the  $y$  – axis.

**Q2.** Evaluate  $\int x^{2x}(1 + \ln x) dx$ .

---

**Q3.** Evaluate  $\int \frac{e^\theta - e^{-\theta}}{e^{2\theta} + e^{-2\theta} + 2} d\theta$ .

---

*With My Best Wishes*