

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points)

Evaluate $I = \int x^3 \sqrt{4 - x^2} dx$

Exercise 2 (5 points)

Evaluate $\int_0^{\infty} \frac{1-x}{(1+x)(1+x^2)} dx$

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points)

Evaluate $I = \int x^3 \sqrt{x^2 + 4}$

Exercise 2 (5 points)

Evaluate $\int_1^{\infty} \frac{dx}{x + x^3}$

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points)

Evaluate $I = \int x^3 \sqrt{9 - x^2} dx$

Exercise 2 (5 points)

Evaluate $\int_2^{\infty} \frac{1+x}{(x-1)(1+x^2)} dx$

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points)

Evaluate $I = \int x^3 \sqrt{x^2 + 9} dx$

Exercise 2 (5 points)

Evaluate $\int_1^{\infty} \frac{1-2x}{(x+2)(1+x^2)} dx$