

**Name:** \_\_\_\_\_ **Class:** Math 242 -- Driscoll  
**Class #:** \_\_\_\_\_ **Section #:** \_\_\_\_\_  
**Instructor:** Tobin Driscoll **Assignment:** Beta testing - do not use

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**Question 1: (1 point)**

Evaluate this integral

$$\int_0^{\pi} \cos^4(x) \sin^5(x) dx$$

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**Question 2: (1 point)**

Evaluate this integral

$$\int_0^{\frac{\pi}{3}} \cos^7(x) \sin^4(x) dx$$

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**Question 3: (1 point)**

Evaluate this integral

$$\int x\sqrt{5^2 - x^2} \, dx$$

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**Question 4: (1 point)**

Evaluate this integral

$$\int_0^1 x^5 \sqrt{x^2 + 16} \, dx$$

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**Question 5: (1 point)**

Evaluate this integral

$$\int \frac{4}{x^2 - 25} \, dx$$

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**Question 6: (1 point)**

Evaluate this Integral

$$\int_2^4 \frac{x^2 + 2x - 1}{x^3 - x} dx$$