

Grade:

Name: _____ Section#: _____

MAC2312: Calculus 2

Core Standard: Trig Substitution #2

1. Compute the integral $\int \frac{1}{\sqrt{25 - 9x^2}} dx$.

2. Compute the integral $\int \frac{x}{(x^2 - 4)^{3/2}} dx$.

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3. Compute the integral $\int \frac{x}{\sqrt{9 - 4x + x^2}} dx$.