

Worksheet #2

Perform the indicated integration

$$(1) \int \sin^4(2x) dx$$

$$(2) \int \tan^3(2x) dx$$

$$(3) \int \cos^6 \theta \sin^2 \theta d\theta$$

$$(4) \int \frac{\sec^2 q}{\tan^4 q} dq$$

$$(5) \int \tan y dy$$