

# Math 1B Discussion Section Problems

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You should work on the following problems in groups of 3 or 4. Try to get through as many as you can, but you aren't expected to finish everything. Instead, you should make sure everyone in your group knows **how** to solve all the problems, and not just the answers.

Find each of the following:

1.  $\int \sin^3(x) dx$

2.  $\int_{-\pi/4}^{\pi/4} \tan^5(x) \sec^3(x) dx$

3.  $\int \sin(4x) \cos(3x) dx$

4.  $\int \frac{1 - \tan^2(x)}{\sec^2(x)} dx$