1 We have been careful to only use the infinity sign (∞) in limits problems. Create two different kinds of limits problems and answer them, one where the question involves limits and one where the answer is infinity.

2 We have also solved indefinite and definite integrals. Explain what means and answer it.

3 There are some functions that we do not know the integral of, but are easy to figure out. What is asking for? Draw a picture and calculate the answer using geometry, not calculus.

4 Let us consider a weirder integral: . First, evaluate the anti-derivative and mark the ends we must evaluate, following this example:

5 Now, take ∞ as shorthand for and write the problem as a function with argument minus a limit of a function. Solve.

6 Write in technical terminology using whole sentence what you think the point of this problem set it.