

## Antiderivatives (4.8)

### Expected Skills.

At the end of this section, students should be able to:

- compute the antiderivative of “simple” functions with or without initial value,
- verify that a function is the antiderivative of another function.

**Worksheet** (ch4-applications-7-antiderivatives-1-ws). First we ask students to start with the graph of a function and draw the graph of its antiderivative.

Then we have students “compute” the antiderivatives of various functions (including some that students won’t know to compute or that are “impossible”).

Finally, we have them compute antiderivatives with initial conditions.