1.6 Natural Logarithm

Example 1. Solve
\[5e^{2x} = 7.\]

Example 2. Solve for \(t\) using natural logarithms,
\[10 = 6e^{0.5t}.\]
Example 3. We return to the model of Loyola University Maryland’s tuition presented in Example 1 in Section 1.5. The tuition was $47,520 in fall 2018 and has grown at an annual rate 2.6%.

Using natural logs, find when the tuition is predicted to be $60,000. When will it equal $70,000?