Precalculus Section 6.1 Exercises

1. Evaluate the following expressions.

   (a) $\log_4 256$

   (b) $\log_3 \dfrac{1}{81}$

   (c) $\log_7 \sqrt[5]{49}$

   (d) $\log_{\frac{1}{2}} 16$

   (e) $e^{3 \ln 7.2}$

2. Find the inverse function of $f(x) = 3 \log_2(x + 1)$.