1. Convert these angles from radians into degrees, or degrees to radians:

    (a) 2π

    (b) $\frac{\pi}{3}$

    (c) $150°$

2. Give the inverse function $f^{-1}(x)$ for the following functions:

    (a) $f(x) = \frac{x}{x-1}$

    (b) $f(x) = \ln x$

    (c) $f(x) = x^2 + 2$

3. Rewrite as a whole number:

    (a) $5^{-2} \cdot 5 \cdot 5^3$

    (b) $21^2(7^{-2} + 3^{-2})$

    (c) $\log_5(25^2)$

4. True or false?

    (a) $\sin^{-1}(x) = \frac{1}{\sin x}$
    (b) $\ln ab = \ln a + \ln b$
    (c) If $a = b$, then $e^a = e^b$

5. If we are given a graph of a function, what test can we use to tell if the function has an inverse? _____

6. Based on $f(x)$ in the graph below, draw the inverse function $f^{-1}(x)$ on the same graph below: