

NAME: _____ Score _____/10

1. **T** F If f and g are inverse functions, then $f \circ g(x) = g \circ f(x)$.
2. **T** F If f and g are inverse functions, then $f \circ g(x) = g \circ f(x) = x$
3. **T** **F** $\ln \circ \exp(3x - 7) = x$
4. **T** **F** \log and \exp_8 are inverses.
5. **T** F \exp_3 and \log_3 are inverses.
6. **T** F Every exponential function has an inverse.
7. **T** F Every logarithmic function has an inverse.
8. **T** **F** $\log \circ \exp(x) = x$.
9. **T** F $\log(1) = 0$.
10. **T** F $\exp(0) = 1$.