

NAME: _____ Score _____/10

Please **print** your name**Circle T or F, whichever is correct.**

1. **T** F The functions \ln and \exp are inverses.
2. T **F** The functions \log and \exp_2 are inverses.
3. T **F** Every rational function has a vertical asymptote.
4. T **F** Every rational function has a horizontal asymptote.
5. **T** F Every exponential function has $(0, 1)$ as its y-intercept.
6. **T** F Every logarithmic function passes the horizontal line test.
7. T **F** Some polynomial functions have horizontal asymptotes.
8. **T** F Every polynomial function is a rational function.
9. T **F** Every exponential function is a rational function.
10. **T** F $\exp(x) > 0$ for all real values of x .