

Advanced Functions**Logarithmic****Log Range**

1. *range* $\ln(x)$

2. *range* $\log_2(x)$

3. *range* $\log_3(x)$

4. *range* $\log_4(x - 1)$

5. *range* $2 + \log_2(4 + x)$

6. *range* $\ln(e + x)$

7. *range* $-\log_2(x - 1)$

8. *range* $\log_2(2 + x) - 4$

9. *range* $2\log_{10}(x)$

10. *range* $2\log_2(2 + x) - 1$

Answers**Advanced Functions****Logarithmic****Log Range**

1. $-\infty < f(x) < \infty$

2. $-\infty < f(x) < \infty$

3. $-\infty < f(x) < \infty$

4. $-\infty < f(x) < \infty$

5. $-\infty < f(x) < \infty$

6. $-\infty < f(x) < \infty$

7. $-\infty < f(x) < \infty$

8. $-\infty < f(x) < \infty$

9. $-\infty < f(x) < \infty$

10. $-\infty < f(x) < \infty$