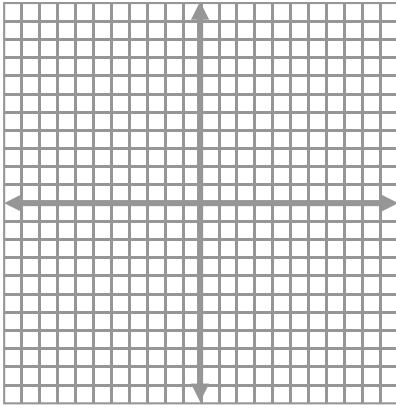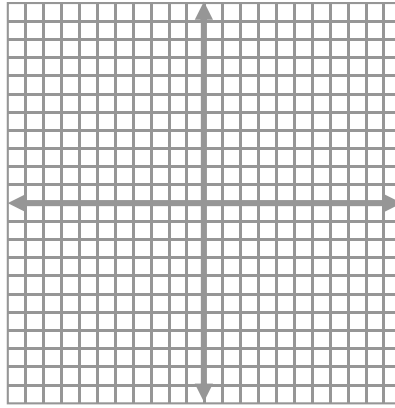**Graph each of the following. Show the asymptote and at least 2 points on the curve.**
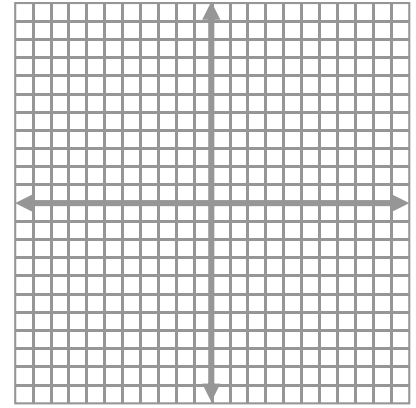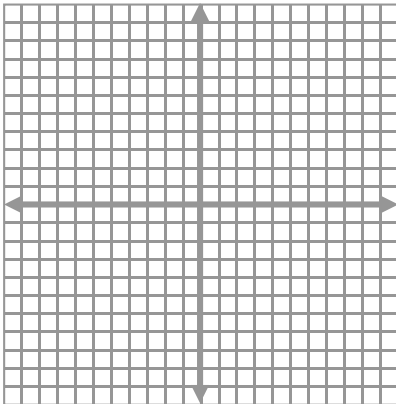
1. $f(x) = 3^{x-2} + 1$

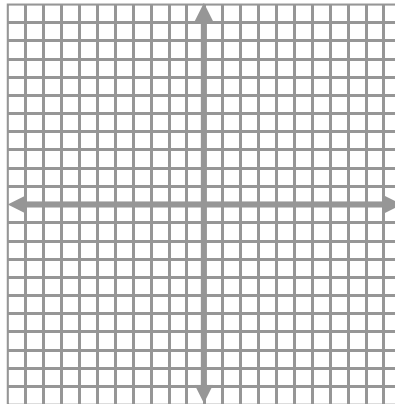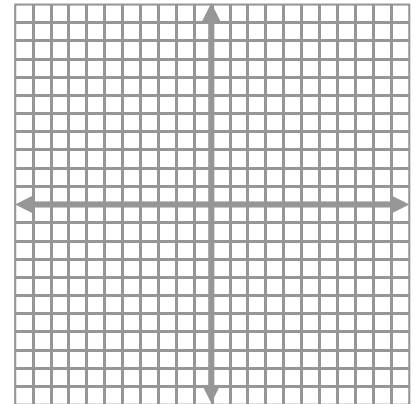2. $f(x) = 2 \cdot 3^x - 1$

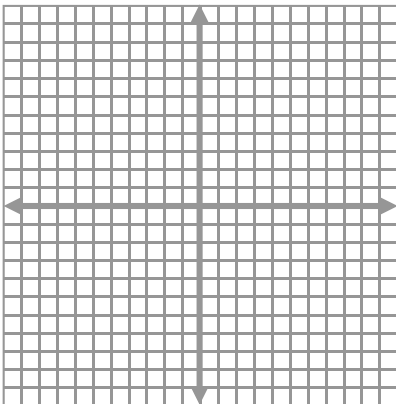3. $f(x) = -e^{x+3}$

4. $f(x) = e^{-x} + 3$

5. $f(x) = \log_2(x-3) + 1$

6. $f(x) = 3\log_2 x - 1$

7. $f(x) = \ln x$

8. $f(x) = \ln(x+3) + 1$