Exponential Functions 1 – Exponential Growth
Homework #6
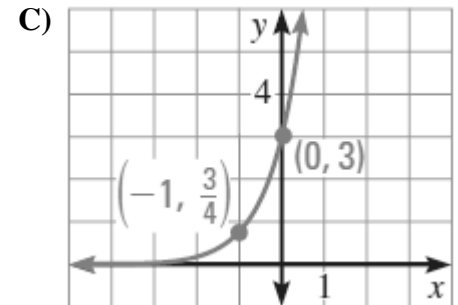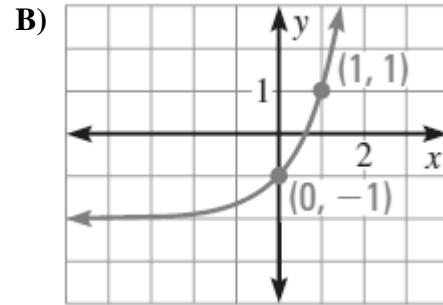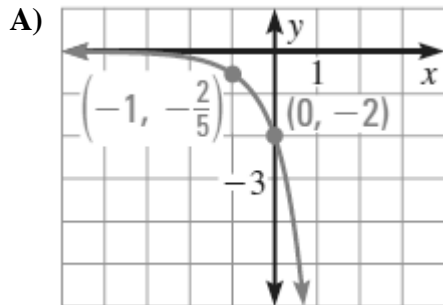
Name _____
Per _____ Date _____

Match the function with its graph:

1. $f(x) = 3 \cdot 4^x$

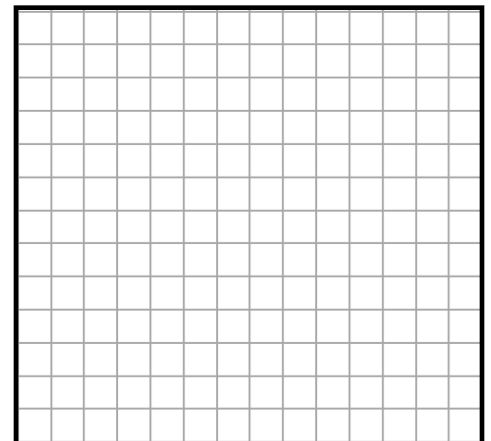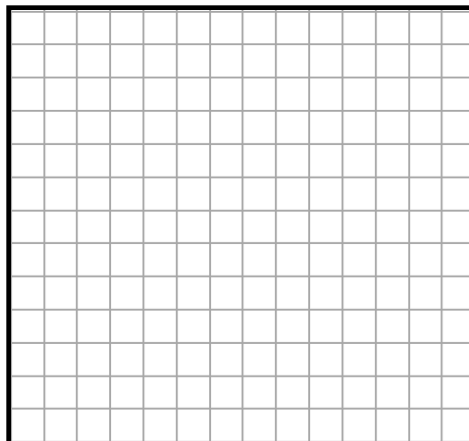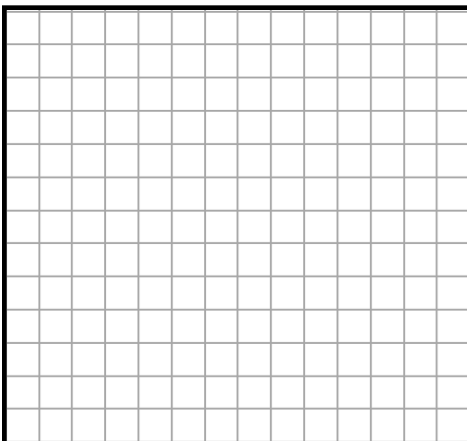**2.** $f(x) = -2 \cdot 5^x$

3. $f(x) = 3^x - 2$

A)

B)

C)

Graph the function on the grid provided. State the domain, range, asymptote, and y-intercept.

4. $f(x) = 8 \cdot 2^x$

5. $f(x) = -(2.5)^x$

6. $f(x) = -2 \cdot 5^x$

7. $f(x) = 7 \cdot 3^{x-2}$

8. $f(x) = 2^{x-3} + 3$

9. $f(x) = 8 \cdot 2^{x-3} - 3$