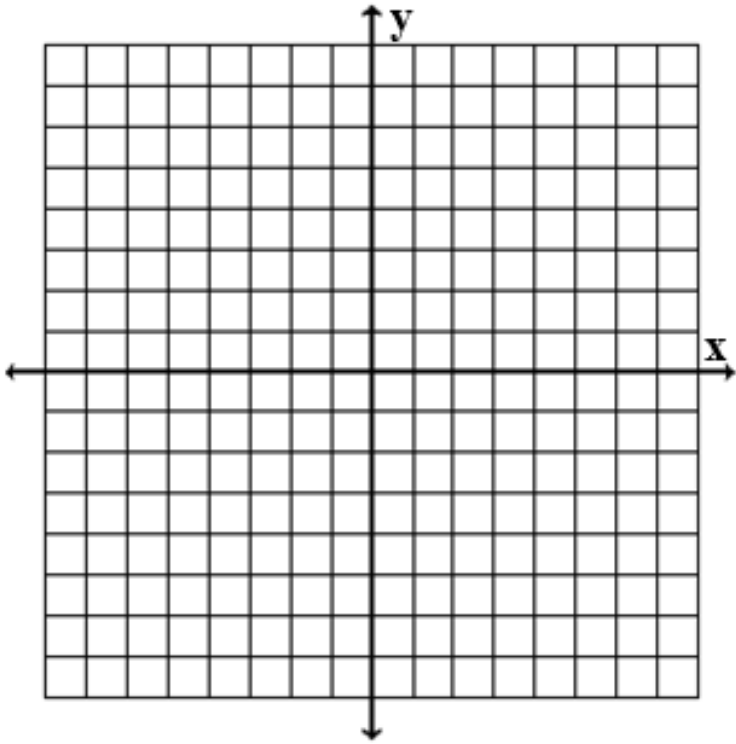


Mastery Check

1) Graph the function $f(x) = 3^x$ and its transformation $g(x) = 3^{x+1} - 2$.



2) Solve.

$$\left(\frac{1}{2}\right)^x = 8$$

3) A total of \$12,000 is invested at an annual rate of 9%. Find the balance after 5 years if the compounding is monthly.