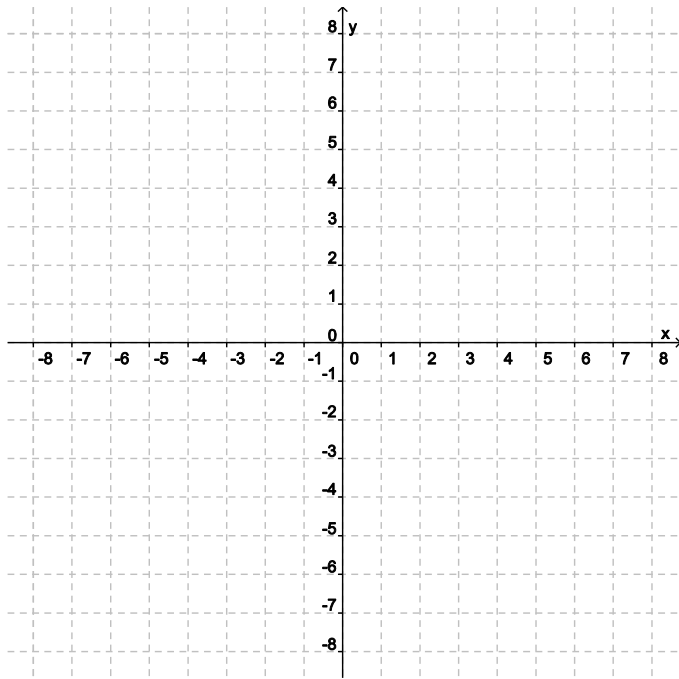
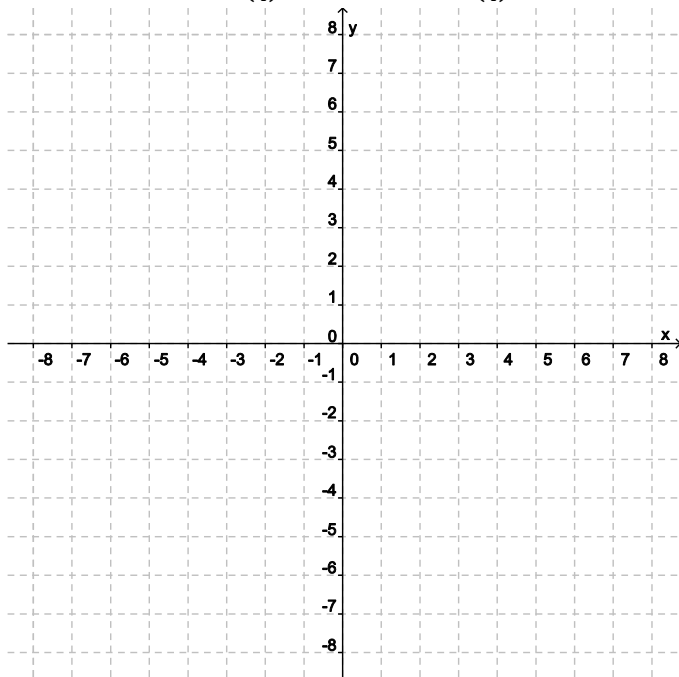


1. Graph $f(x) = 4^x$ and $g(x) = 4^x + 2$. How is the graph of g related to the graph of f ?



2. Graph $f(x) = \left(\frac{1}{4}\right)^x$ and $g(x) = \left(\frac{1}{4}\right)^{x-3}$. How is the graph of g related to the graph of f ?



3. Approximate each number using a calculator. Round your answer to three decimal places.

a) $3^{2.4} \approx$

b) $e^{3.4} \approx$

c) $e^{-0.75} \approx$

Q: April says May is a liar. May says June is a liar. June says April and May are both liars. If only one person is telling the truth, who is it?