



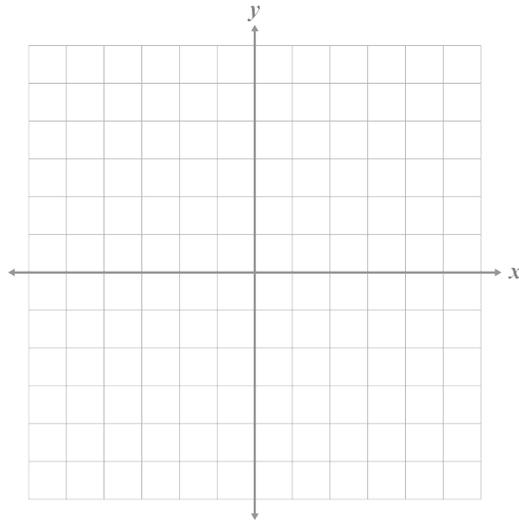
**Solve.**

4)  $8^{9-4x} > 4^{9x+3}$

5)  $729^{2x-3} = \left(\frac{1}{27}\right)^{x-9}$

**For problems 6–7, use the exponential equation:  $y = 4^x$** 6) Name  $b$  and explain if it represents the growth or decay factor.

7) Graph.



**Solve.**

8)  $6^x \leq 36^{x-3}$

9)  $25^{x-3} = 125^{\frac{1}{2}x-1}$

10)  $\left(\frac{8}{125}\right)^{2x} = \left(\frac{25}{4}\right)^{1-5x}$