

Intermediate Algebra Skill
Graphing the Exponential Function

Sketch the graph:

1) $f(x) = 5^x$

2) $g(x) = 3^{-x}$

3) $h(x) = \left(\frac{1}{6}\right)^x$

4) $p(x) = \left(\frac{1}{3}\right)^{-x}$

5) $w(x) = \frac{1}{5^x}$

6) $u(x) = \frac{1}{4^{-x}}$

7) $F(x) = 3^x + 3$

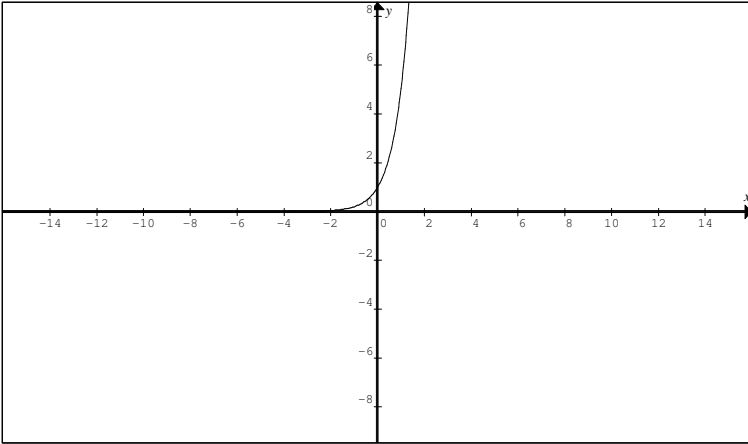
8) $G(x) = 3^{x-3}$

9) $W(x) = 2^{x+4} + 3$

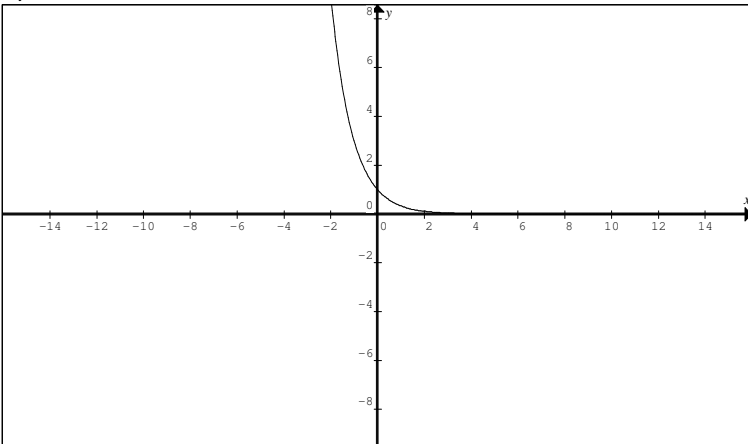
10) $U(x) = \left(\frac{1}{2}\right)^{x+3} - 5$

Answers to Graphing the Exponential Functions

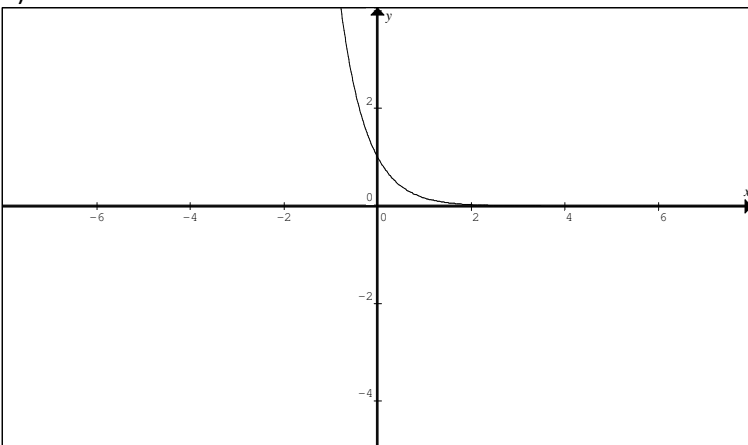
1)



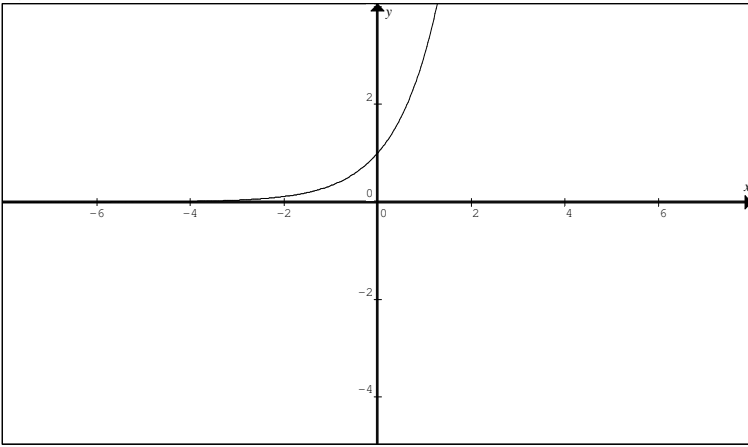
2)



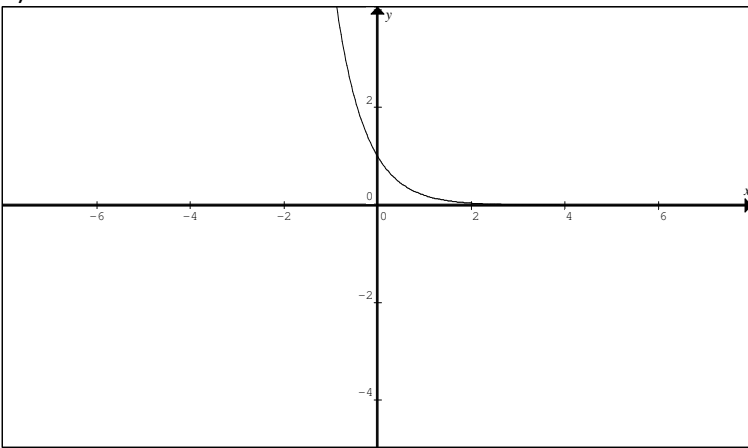
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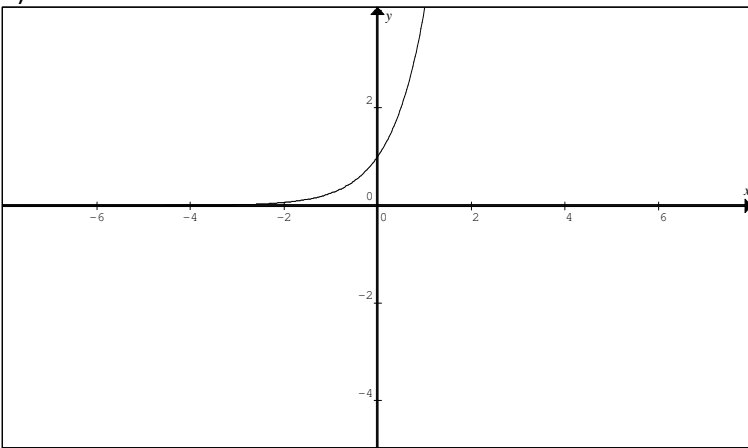
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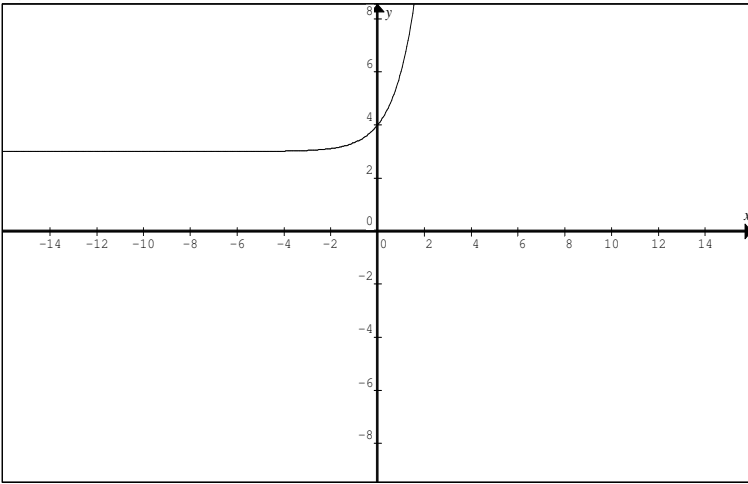
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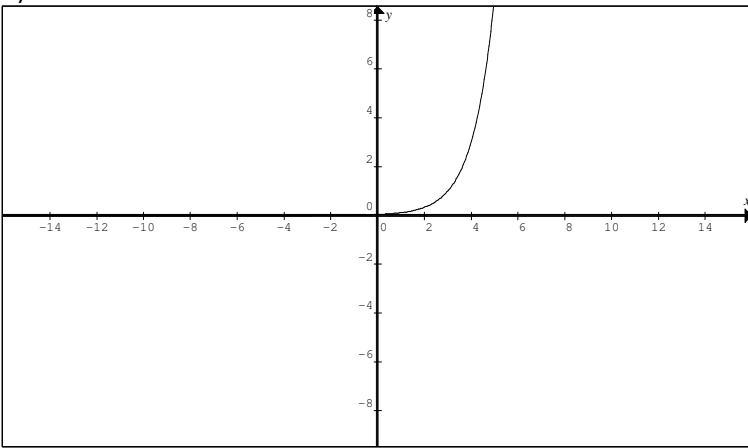
6)



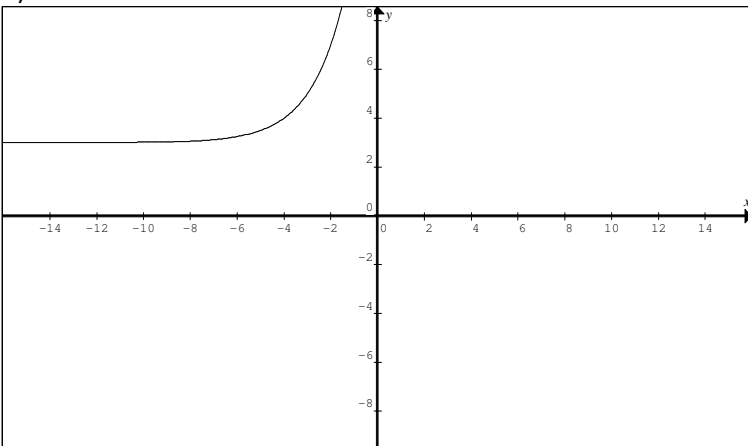
7)



8)



9)



10)

