

6. Graph $y = 2(3)^x$

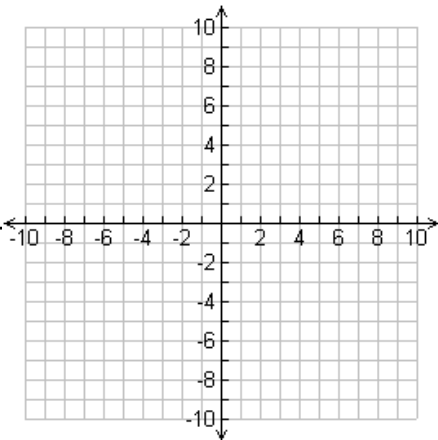
x-int: _____

y-int: _____

Domain: _____

Range: _____

Asymptote: _____



7. Graph $y = e^x + 3$

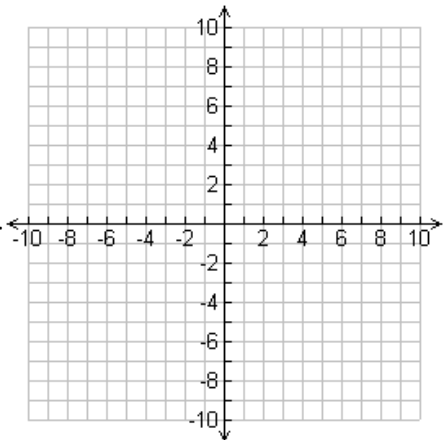
x-int: _____

y-int: _____

Domain: _____

Range: _____

Asymptote: _____



Decide whether the following functions are exponential growth or exponential decay.

8. $y = 0.2(3)^x$

9. $y = 4\left(\frac{1}{5}\right)^x$

10. $y = 3\left(\frac{2}{3}\right)^{-x}$

11. $y = 0.8(1.02)^x$

12. $y = \left(\frac{5}{2}\right)^{-x}$

13. $y = 16(0.96)^x$

Use the rules of exponents to simplify.

14. $\frac{9e^2}{6e^x}$

15. $(3e^{5x})^4$

16. $7e^4 \cdot 2e^{10}$