

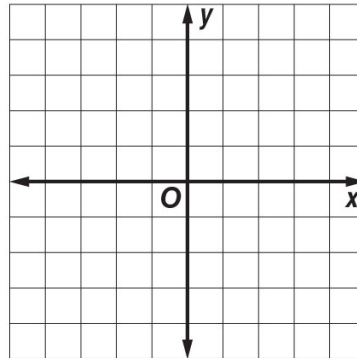
7.1 Day 2 Notes

Objective: graphing transformations of exponential growth & decay functions

Transformations: $f(x) = ab^{x-h} + k$

1. $y = 2^x - 3$

x	y



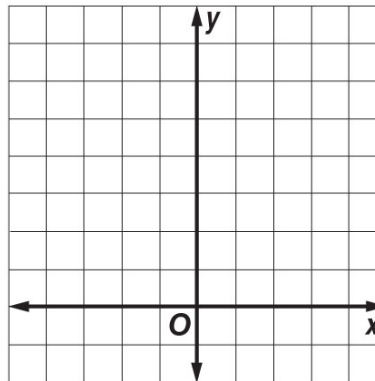
Domain:

Range:

Asymptote:

2. $y = 2^{x+3}$

x	y



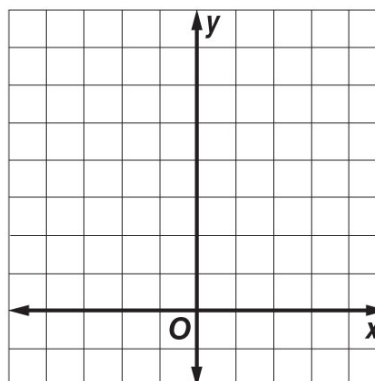
Domain:

Range:

Asymptote:

3. $y = 3(2)^{x-1} + 2$

x	y



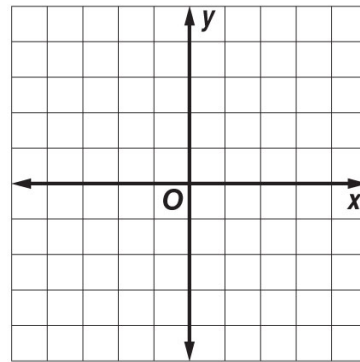
Domain:

Range:

Asymptote:

4. $y = 3\left(\frac{1}{2}\right)^{x+2}$

x	y



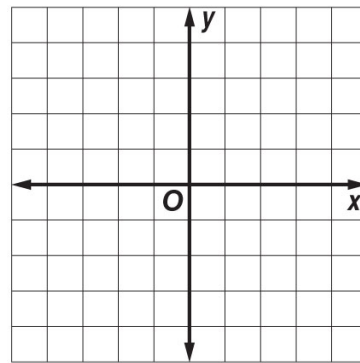
Domain:

Range:

Asymptote:

5. $y = -2\left(\frac{1}{2}\right)^x$

x	y



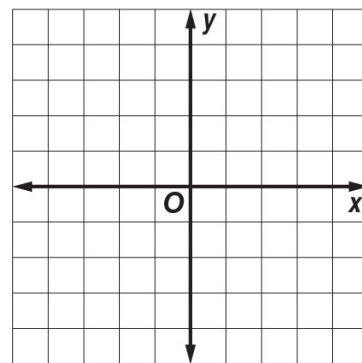
Domain:

Range:

Asymptote:

6. $y = -(4)^{x+1} + 3$

x	y



Domain:

Range:

Asymptote:

