

## Transformations of Exponential Equations

**Describe how each would move from its parent function.**

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

2)  $y = 5 \cdot 2^x$

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

4)  $y = 5 \cdot 2^{x-1} - 1$

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

6)  $y = 4^x - 1$

7)  $y = 3^{x-2} - 1$

8)  $y = -3 \cdot \left(\frac{1}{2}\right)^{x-1} - 2$