

Pre-Calculus

Describe the graphical transformation(s) of an exponential function from its mother function.

1. $y = 2^{x+5} - 6$

2. $y = 5^{3x} + 7$

3. $y = -5(3)^{x-4} + 1$

4. $y = 6(4)^{-x} - 11$

5. $y = \frac{1}{2}(7)^{x+6} + 9$

6. $y = 4e^{3x} - 5$

7. $y = -2e^{x+7}$

8. $y = -\frac{2}{5}e^{x-9}$

9. $y = 5e^{x-8} + 12$

10. $y = -7e^{x+5} - 13$