

Pre-Calculus

KEY

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

1. horizontal shift left 5
vertical shift down 6
2. horizontal stretch of 5
vertical shift up 7
3. vertical reflection
vertical stretch of 5
horizontal shift right 4
vertical shift up 1
4. vertical stretch of 6
horizontal reflection
vertical shift down 11
5. vertical stretch of $\frac{1}{2}$
horizontal shift left 6
vertical shift up 9
6. vertical stretch of 4
horizontal stretch of 3
vertical shift down 5
7. vertical reflection
vertical stretch of 2
horizontal shift left 7
8. vertical reflection
vertical stretch of $\frac{2}{5}$
horizontal shift right 9
9. vertical stretch of 5
horizontal shift right 8
vertical shift up 12
10. vertical reflection
vertical stretch of 7
horizontal shift left 5
vertical shift down 13