

Math 3 Advanced

13.3 Base e

State the domain and range of an exponential function.

1.  $y = e^x$

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

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

4.  $y = 3e^{-2x}$

5.  $y = e^{3x}$

6.  $y = e^{\frac{x}{3}}$

7.  $y = 3e^{\frac{x}{2}}$

8.  $y = e^{5x}$

9.  $y = e^{2x} - 3$

10.  $y = e^{3x} + 7$

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

12.  $y = -e^{4x} - 15$