**8.1 Exponential Functions**

**Exponential Functions –**

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

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



Domain – Range –

*x*-intercept – *y* – intercept –

asymptote – end behaviour –

**If *b* > 1:**

**If 0 < *b* < 1:**

Find 

**The Rules of Transformations** apply to exponential functions

  

  

  