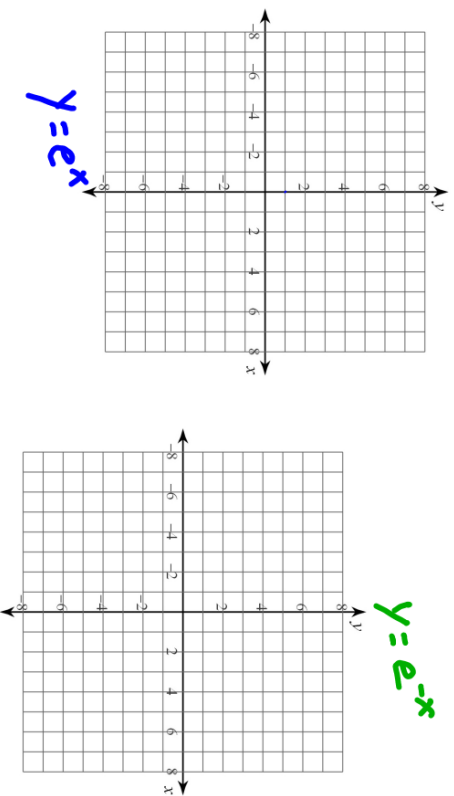


The natural base, e , is irrational. It can be defined as stated below:

A natural base exponential function is shown below:

exponential growth when
exponential decay when

Basic functions with e are graphed below:



A natural logarithm will have e as a base.

Solve for the unknown; round to four decimal places.

$$e^{8k} + 3 = 28$$

Solve for the unknown; round to four decimal places.

$$e^{7v} + 3 = 63$$

Solve for the unknown; round to four decimal places.

$$3e^{0.7r} = 54$$

Solve for the unknown; round to four decimal places.

$$-2e^{7n} = -10$$

Solve for the unknown; round to four decimal places.

$$e^{p+2} - 1.5 = 17$$

Solve for the unknown; round to four decimal places.

$$e^{-5n} + 3 = 54$$

Solve for the unknown; round to four decimal places.

$$e^{x-1} - 1 = 7$$

Solve for the unknown; round to four decimal places.

$$9e^{-4n} = 51$$