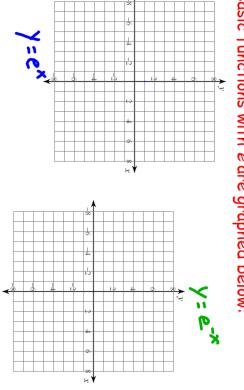
## The natural base, e, is irrational. It can be defined

as stated below:

Basic functions with e are graphed below:



A natural base exponential function is shown below:

exponential growth when

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exponential decay when

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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.

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

Solve for the unknown; round to four decimal places.

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

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Solve for the unknown; round to four decimal places.

$$-2e^{^{1/n}}=-10$$

Solve for the unknown; round to four decimal places.

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

Solve for the unknown; round to four decimal places.

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

Solve for the unknown; round to four decimal places.

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

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Solve for the unknown; round to four decimal places.

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