SOLVE LOGARITHMIC EQUATIONS

$$lnx - \ln(x - 3) = \ln 2$$

POWER RULE (up)

PRODUCT RULE

QUOTIENT RULE

EXPONENTIAL FORM

(kick base/drop the logs)

SOLVE X

$$x = 2x - 6$$

$$\frac{x}{x-3} = 2$$

$$x = 6$$

$$x = 2(x - 3)$$

$$ln\frac{x}{x-3} = ln2$$

LIVEWORKSHEETS