Change of base

→ Change of base formula:

$$\log_b a = \frac{\log_c a}{\log_c b}$$

Use the change of base formula to evaluate $\log_4 9$ to 3 significant figures.

Answer

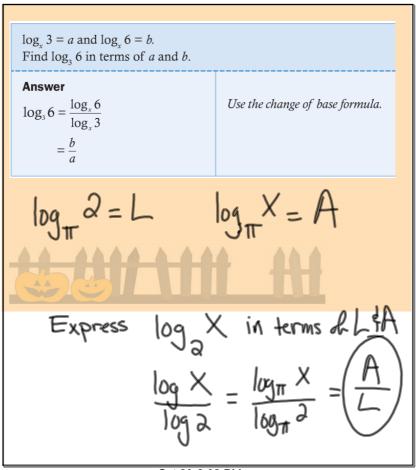
$$\log_4 9 = \frac{\log 9}{\log 4}$$

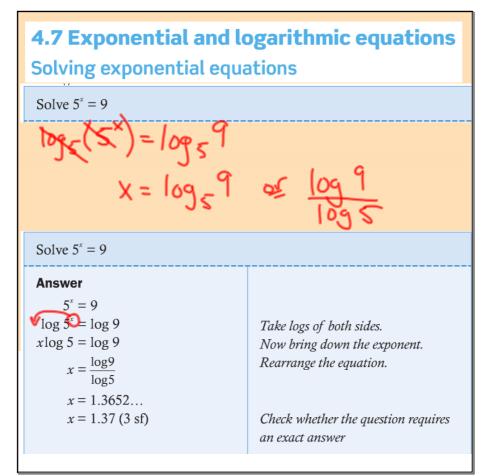
= 1.58 (3 sf)

Change the log to base 10.

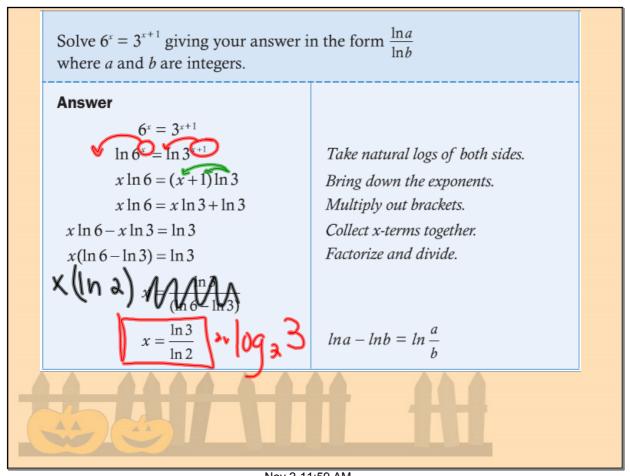
Use calculator to evaluate answer.

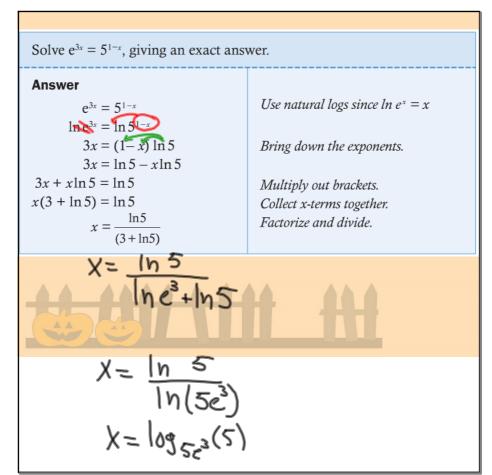
Nov 2-11:47 AM





Nov 2-11:52 AM





Nov 2-12:00 PM