College Algebra – Calculator Practice Worksheet

1. $e^{-1.3}$

2. $e^{-2.5}$

3. $\left(\frac{1}{2}\right)^{4.1-e}$

4. $2^{\sqrt{3}-2}$

5. $5\,e^{.017(12)}$

6. $760e^{-.14(2)}$

7. $5000\left(1+\frac{.065}{4}\right)^{4(10)}$

8. $2500\left(1+\frac{.13}{12}\right)^{12(5)}$

9. $\frac{\ln 1.4}{\ln 3}$

10. $\frac{\log 61}{\log 12}$

11. $\frac{6}{\log 5}-2$

12. $\ln\left(\frac{107}{9}\right)+3$

13. $\frac{5-2\log 6}{\log 6}$

14. $\frac{12-5\ln 3}{\ln 3}$

15. $\frac{-3\ln 7}{\ln 7-\ln 9}$

16. $\frac{2\log 3-\log 7}{2\log 7-\log 3}$

Answers: The screen shots show the key strokes used on a TI-83 plus graphing calculator.

NOTE: Be careful with the use of parentheses. If in doubt use parentheses as you can never have too many parentheses but you can definitely have too few!

1.	`e^-1.3` `        .272531793` = 0.2725	2.	`e^-2.5` `        .0820849986` = 0.0821
3.	`(1/2)^(4.1-e)` `       .3837614839` = 0.3838	4.	`2^(√(3)-2)` `       .8304992714` = 0.8305
5.	`5e^(0.017*12)` `       6.131490767` = 6.1315	6.	`760e^(-.14*2)` `       574.3956435` = 574.3956

7.	`5000(1+.065/4)^(`
	`4*10)`
	`       9527.793774` = 9527.7938
		8.	`2500(1+0.13/12)^`
			`(12*5)`
			`       4772.141338` = 4772.1413

9.	`ln(1.4)/ln(3)` `       .3062702284` = 0.3063	10.	`log(61)/log(12)` `       1.654337343` = 1.6543
11.	`6/log(5)-2` `       6.584059348` = 6.5841	12.	`ln(107/9)+3` `       5.475604257` = 5.4756

13.	`(5-2*log(6))/log`
	`(6)`
	`       4.425486045` = 4.4255
		14.	`(12-5*ln(3))/ln(`
			`3)`
			`       5.92287072` = 5.9229

15.	`-3*ln(7)/(ln(7)-`
	`ln(9))`
	`       23.22879147` = 23.2288
		16.	`(2*log(3)-log(7)`
			`)/(2*log(7)-log(`
			`3))`
			`       .0899734024` = 0.0900