Lesson #18

Using the Math Menu

Commands and functions are not limited to what is seen on the keypad of the TI-84 calculator. There are several menus that can be accessed that provide the user with many options for calculations. A key that provides access to four menus is 

. Press 

to display the math menu screen. Notice at the top MATH is highlighted. The menu being displayed will be the one highlighted at the top. Beside the MATH menu there are three other options: NUM, CPX, and PRB. Highlight these to access the Number Menu, Complex Menu, or Probability Menu.

Only 7 options appear to be available on the MATH Menu, but notice the down arrow that appears at the bottom of the screen. Whenever you see this arrow at the bottom of the screen, this is a signal that there are more options or information available. Arrow down to the bottom of the screen to reveal the other options available in the MATH Menu.

MATH MENU PRACTICE

Set 1 – Converting Decimals to Fractions

Use option 1 from the Math Menu to convert each decimal into a fraction. Enter the decimal first, then enter the →Frac command and press 

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LP#1 0.328125	0.40625	0.059375	0.625
LP#2 0.53125	0.5625	0.421875	0.359375
R#1 0.546875	0.515625	0.375	0.4375
R#2 0.484375	0.390625	0.453125	0.609375

R#3 0.34375	0.46875	0.578125	0.640625

Set 2 – Cube and Cube Root

Use option 3 and option 4 from the Math Menu to evaluate each expression. Do not round.

LP#1 $6^3=$	$(-4)^3=$	$\sqrt[3]{729}=$	$\sqrt[3]{-686}=$
LP#2 $8^3=$	$(-10)^3=$	$\sqrt[3]{-343}=$	$\sqrt[3]{1024}=$
R#1 $12^3=$	$(-4)^3=$		
R#2 $15^3=$	$(-13)^3=$	$\sqrt[3]{1331}=$	$\sqrt[3]{-2662}=$
R#3 $19^3=$	$(-21)^3=$	$\sqrt[3]{-4096}=$	$\sqrt[3]{11664}=$

Set 3 – Calculating the nth root

Use option 5 from the Math Menu to evaluate each expression.

LP#1 $\sqrt[4]{6561} =$	$\sqrt[5]{3125} =$	$\sqrt[6]{4096} =$	$\sqrt[7]{823543} =$
LP#2 $\sqrt[4]{-1296} =$	$\sqrt[5]{-16807} =$	$\sqrt[6]{-15625} =$	$\sqrt[7]{-128} =$
R#1 $\sqrt[4]{20736} =$	$\sqrt[5]{100000} =$	$\sqrt[6]{-262144} =$	$\sqrt[7]{78125} =$
R#2 $\sqrt[4]{-625} =$	$\sqrt[5]{243} =$	$\sqrt[6]{46656} =$	$\sqrt[7]{-279936} =$
R#3 $\sqrt[4]{4096} =$	$\sqrt[5]{-161051} =$	$\sqrt[6]{64} =$	$\sqrt[7]{16384} =$