A+ Precalculus Tools presents
Synthetic Division

Pre-Calculus Tools
1.Third Power
2.Fourth Power
3.Fifth Power

Switch the sign of R!!!

Please note that it must be
in (function)/(x-r) format
or else the program will die.

Table of Contents

1.0 - Introduction

A+ Precalculus Tools is a bunch of programs for Texas Instrument calculators. The APCT team consists of a single programmer, and a few testers. Any program that is made by APCT can be used alongside any program, or incorperated with any program, just please give credit in the ReadMe file.

1.1 - Compatibility

All APCT procrams are tested on TI-84 Plus (Silver Edition) Calculators, but should work with any TI-83 or TI-84 Series calculator. Support is only avalible for the TI-83 Plus and the TI-84 Plus calculators.

1.2 - Credits

This program was programmed by Adam M. and tested by his fellow classmates. This program is released under the title of APCT and is a part of a series of programs created throughout a high-school precalculus class.

2.0 - Installation Instructions

Open the TI Connect program, and run the Device Explorer. Let the program connect to your calculator, then drag APCT.8xp onto that window. Wait until the transfer is complete, and the program refreshes the view of your calculator. Press PRGM on your calculator and scroll to APCT and press enter. Disconnect the cable from your calculator and you are done.

2.1 - How to Use

Included in the download are a couple of images. For each power, just input the values, and the program will output the answer.

2.2 - First Time Use

For First-time users, here are a few helpful items. To exit the program from the home screen, press clear. If you are on a output screen, press enter to go back to the main menu.

3.0 - Need Help? Found a Bug?

You can contact me directly at underoath@eoeclan.com if you need any assistance installing, using, or otherwise using this program.

4.0 – The Hidden Secret!

Here are the images of the program!

The home screen:

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3rd Power Input:

```
A=?1
B=?2
C=?3
D=?4
R=?5█
```

3rd Power Output:

⋮

1X2+7X+38

REMAINDER:194

4th Power Input:

```
A=?1
B=?2
C=?3
D=?4
E=?5
R=?6█
```

4th Power Output:

⋮

```
1X^3+8X²+51X+310
REMAINDER:1865
```

5th Power Input:

```
A=?1
B=?2
C=?3
D=?4
E=?5
F=?6
R=?7
```

5th Power Output:

⋮

```
1X^4+9X^3+66X²+
   466X+3267

REMAINDER:22875
```