

```
PROGRAM: SQRT
: Prompt X, G, T
: Repeat T=0
: T-1→T
: (G+X/G)/2→G
: Disp G
: End
```

```
PROGRAM: SAV
: Prompt B, P, H
: Disp "V", BH
: Disp "SA", PH+2B
```

```
PROGRAM: MAD
: mean(L1)→X
: Disp "MEAN", X
: L1-X→L2
: abs(L2)→L2
: Disp "MAD", mean(L2)
```

```
PROGRAM: LEG
: Prompt A, C
: Disp  $\sqrt{C^2-A^2}$ 
```

```
PROGRAM: HYP
: Prompt A, B
: Disp  $\sqrt{A^2+B^2}$ 
```

```
PROGRAM: FACTOR
: Prompt X
: 1→A
: Repeat A> $\sqrt{X}$ 
: A+1→A
: X/A→B
: If B-int(B)=0
: Prompt A, B, A+B, A-B, " "
: If B-int(B)≠0
: Pause
: End
```

```
PROGRAM: QUAD
: Prompt A, B, C
:  $B^2-4AC$ →D
: Disp D
: Disp "+",  $(-B+\sqrt{D})/(2A)$ 
: Disp "-",  $(-B-\sqrt{D})/(2A)$ 
:  $-B/(2A)$ →E
: Pause
: Disp "LINE", E
: Disp "VERTEX",  $AE^2+BE+C$ 
```

#### Finding Correlation

1. Set up STATPLOT; turn it on
2. Put your data in STAT in L1 and L2
3. Turn on Statistic Diagnostic in Mode
4. Find your equation in STAT/CALC/LinReg (ax+b)
  - a. Store in Y1
  - b. Calculate
5. Graph Y1 to see graph by using ZOOM/Zoom Stat

**Casio fx-260 Solar ~ Scientific Calculator**

**TI84 Plus CE ~ Graphing Calculator**

**Desmos ~ Graphing Calculator**