

# TI-83 Program To Convert Quadratic Expression From Canonical To General Form

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## 1 Introduction

Here we present a program to convert quadratic expression in canonical form:

$$A(x - H)^2 + K$$

to general form:

$$Ax^2 + Bx + C$$

## 2 Code

```
Disp "Canonical To General"
Disp "A(X - H)^2 + K"
Prompt A,H,K
A→A
-2(AH) →B
(((A)H^2) + K) →C
Disp "General Form"
Disp "AX^2 + BX + C"
Disp "A",A▷Frac
Disp "B",B▷Frac
Disp "C",C▷Frac
Pause
```