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Finding 2nd derivatives

TI-84 Plus

There is no second derivative function on the TI-84 Plus, so we differentiate twice using the first derivative.

```

Plot1 Plot2 Plot3
\Y1 X^3-3X^2-2
\Y2=
\Y3=
\Y4=
\Y5=
\Y6=

```

```

d/dx ( d/dx (Y1) | x=x ) | x=0    -6
d/dx ( d/dx (Y1) | x=x ) | x=2    6

```

Casio fx-9860GII

```

Graph Func :Y=
Y1 X^3-3X^2-2 [—]
Y2: [—]
Y3: [—]
Y4: [—]
Y5: [—]
Y6: [—]
[SEL] [DEL] [TYPE] [STYL] [ZMEM] [DRAW]

```

```

d²/dx² (Y1) | x=0    -6
d²/dx² (Y1) | x=2    6

```

Y r Xt Yt X