Solving Equations with Technology

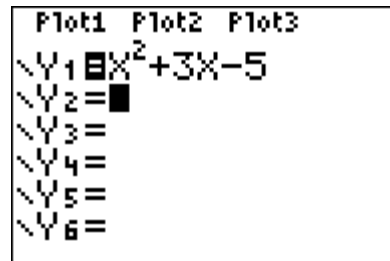## Find the value of a polynomial

Find the value of the function given X.
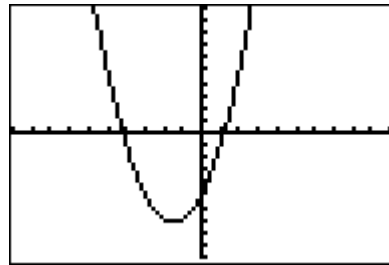
$$f(x) = x^2 + 3x - 5; x = -4$$

1. Y=
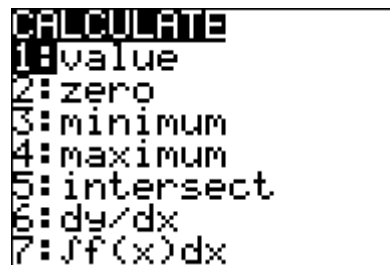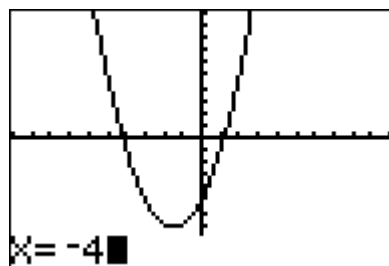
2. Enter the function into $y_1 =$

3. Graph

4. 2nd   Trace
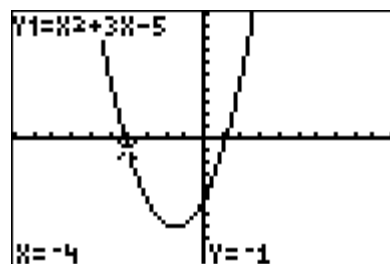
   Select #1: value   Enter

5. Type the value for which you want to evaluate
   Press   Enter

6. The value of the polynomial is stated on the
   bottom of the screen. Y =

The Store Method

Find the value of the function given X.

$$f(x) = x^2 + 3x - 5; x = -4$$

1. Go to the home screen
2. Enter the X value

3. Press the [STO] key

4. Press the [X,T,θ,n] key

5. [Enter]

6. Enter the Polynomial Expression

7. [Enter]

```
-4→X■
```

```
-4→X
              -4
X²+3X-5■
```

```
-4→X
              -4
X²+3X-5
              -1
■
```