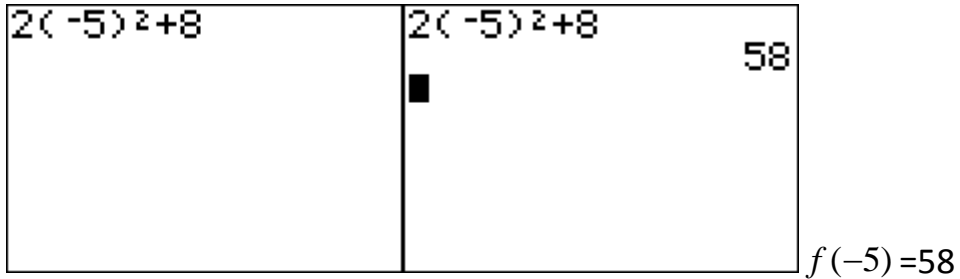


Evaluate Me?

Teacher Notes

How can you get the calculator to evaluate an expression? One way you can quickly evaluate for a single value is to use the home screen. Look at the example given below.

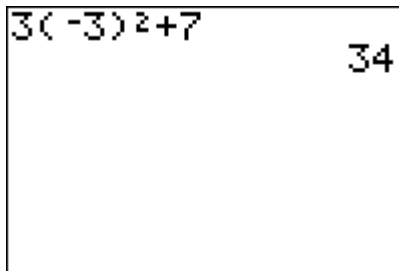
Using the given function, $f(x) = 2x^2 + 8$, find $f(-5)$.



Practice this method of evaluating functions in the questions below.

1. Given the function $f(x) = 3x^2 + 7$, what is the value of $f(-3)$?

- A. -25
- B. 34
- C. 74
- D. 20



Evaluate Me?

2. A quadratic function is given below.

$$f(x) = 3x^2 - x + 6$$

What is $f(2)$?

E. 40

F. 28

G. 16

H. 4

(Be sure to remind students that 2 must be substituted for x in all places in which it appears in the function.)

$$3(2)^2 - 2 + 6$$

$$3(2)^2 - 2 + 6 \quad 16$$