Exercise 3

For the following exercises, evaluate the function $f(x) = -3x^2 + 2x$ at the given input.

$$f(-2)$$

Solution

Plug in -2 for x in the function's formula.

$$\begin{aligned}
f(-2) &= -3(-2)^2 + 2(-2) \\
&= -3(4) - 4 \\
&= -12 - 4 \\
&= -16
\end{aligned}$$